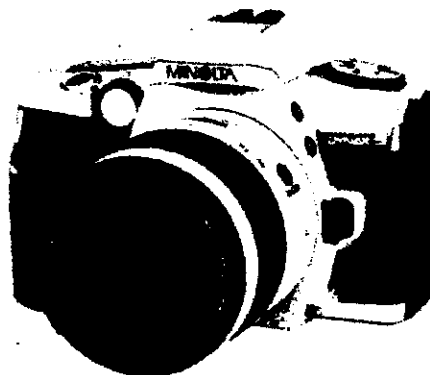


(2163)F 1

CODE

MINOLTA α - 5
MINOLTA α - 5 BLACK
MINOLTA DYNAX 5
MINOLTA DYNAX 5 DATE
MINOLTA MAXXUM 5
MINOLTA MAXXUM 5 DATE
MINOLTA α -Sweet II BLACK
MINOLTA α -Sweet II

(2163-090)
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(2163-196)
(2163-296)
(2163-395)
(2163-495)
(2163-690)
(2163-695)



CAMERA

Type

35mm SLR with built-in flash, autoexposure (AE) and autofocus (AF)

USABLE LENS

Minolta AF lenses

Power zoom and power focus are possible when AF zoom xi and AF Power Zoom Lenses are used

SHUTTER

Type

Electronically-controlled, vertical-traverse, focal-plane type

Speed

1/4000s - 30s, plus Bulb (approx. 6 hours with fresh battery)

Flash Sync Speed

1/125s or slower, synchronizes with all speeds in HSS (high-Speed Sync.)

Self-timer

Indication by illuminating LED or audio indication, 10-second delayed shutter release, cancelable

EXPOSURE SYSTEM

Modes

Programmed AE (P mode, PA/PS modes are available in custom function)

Aperture priority mode (A mode)

Shutter-speed priority mode (S mode)

Manual mode (M mode)

Subject program selection mode

Portrait, landscape, close-up, sports action, night portrait

Manual setting

Shutter speed: 0.5 EV increment

Aperture: 0.5Ev increment

Metering type

TTL

Modes: 14-segment honeycomb-pattern metering

Spot metering (5.5mm diameter)

Direct TTL metering for flash

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Metering Cell	14-segment honeycomb-pattern SPC, 4-segment flash-metering SPC for flash
Metering Range (ISO 100, f/1.4 lens)	14-segment honeycomb-pattern metering: Ev1-20 Spot metering: Ev4-20
Exposure compensation	+/- 3Ev in 1/2 increment
ISO (film speed)	Automatic setting for DX-coded films of ISO 25-5000 in 1/3 increment, Non-DX coded film is set to previous ISO setting Manual setting available within ISO 6-6400 in 1/3 increment, ISO 25-1000 with flash
AE-Lock	Exposure locked automatically when focus is locked AE lock with the Spot button

AUTOFOCUS SYSTEM

Focus mode	Autofocus/Manual focus is selectable
Main features	-Eye-start Automation -Wide focus area -Local focus area is selectable from 7-point sensors -Multi-dimensional predictive focus control -Automatic AF-mode selection/Continuous AF/Single-shot AF -Audio indication of focus-lock is selectable
Detection system	TTL phase-detection system
Detection cell	CCD line sensors (7-point sensors with center cross-hair sensor)
AF Sensitivity range	Ev -1 to 18 (at ISO 100)
AF Illuminator	Built-in LED (Automatically activated in low-light or low contrast situations) -With a dedicated flash unit, AF illuminator (LED) will be selected automatically. -Range: Approx. 1 - 5m (with 50mm lens, based on Minolta standard test method)

FILM TRANSPORT

Loading	Automatic loading (Automatic advance to the first frame when back cover is closed)
Frame Counter	Forward counter
Modes	Single-frame advance, continuous drive (3 fps)
Rewinding	Automatic rewinding, Manual start of rewinding selectable Rewinding time: Approx. 8s (24 exposure film)

VIEWFINDER

Type	Eye-level fixed pentaprism
Pentaprism	Roof mirror type (silver deposited)
Focusing screen	Spherical
Field-of-view	90% x 90% (with 50mm f/1.4 lens focused at infinity)
Magnification	0.75X (with 50mm lens focused at infinity)
Eye-relief	16mm from the eyepiece, 13 mm from the eyepiece frame

Diopter	-1 diopter
Diopter adjustment	No
Panorama	Frame masking
Eyepiece cup	Detachable type

DISPLAY

Data panel	Exposure-bracketing indicator, exposure-mode indicators, shutter-speed/ISO display, aperture/exposure-compensation display, subject-program indicators, subject-program icons, frame counter/Multiple-exposure/Custom-function setting display, film-transport signals, cartridge mark, date indicator, AF-mode indicators, drive-mode indicators, manual-focus indicator, red-eye reduction indicator, flash-mode indicators, high-speed sync indicator, wireless/remote flash indicator, multiple-exposure indicator (portrait, landscape, close-up, sports action, and night portrait), Self-timer indicator
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Viewfinder	Inside the image area: Wide focus frame, spot focus area, spot metering area, local focus areas Outside the image area: Wireless/Remote flash indicator, shutter-speed/ISO display, exposure-compensation indicator, aperture/exposure-compensation display, meter index, spot-AE lock indicator, focus signals, focus-area indicators, flash indicator, high-speed sync indicator
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FLASH

Built-in flash	Built-in, auto pop-up type
Guide No.	12
Flash coverage	28mm angle of view
Recycling time	Approx. 4s (according to Minolta test methods) Power is automatically turned off with dedicated flash unit
Modes	Fill flash/flash cancel/red-eye reduction (pre-flash)
P mode / subject program selection modes	Automatic pop-up, autoflash (fill flash/ flash cancel selectable)
A/S/M mode	Fill flash with flash up, flash cancel with flash down
Red-eye reduction	Selectable
Wireless/remote off-camera flash	-Synchronizes with camera at shutter speeds 1/45 s or slower -Ratio control: Synchronizes with camera at shutter speeds 1/45 s or slower -Wireless/remote high-speed sync: 1/125 s or faster
High-speed sync	1/125 s or faster (Available with 5600HS(D) and 3600HS(D))

FORMAT SELECTION (-090, -695 only)

Type	Mid-roll switchover is available by panorama lever; Date imprinting position changes accordingly.
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AUTO ZOOM (with AF Zoom xi Lenses)

Automatic and compact

BATTERY PERFORMANCE

Condition	Using 24-exposure film, Fresh batteries, AF zoom 28-80mm f/3.5-5.6
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Exposure taken at a rate of 2 rolls/month

Tested Operation

Lens is focused from infinity to 2m, 3 times, shutter-release button is held partway down for 10 s before each exposure. Other basic photographic procedures are performed. (Minolta's standard test method.)

Performance

Flash use	20 deg. C	-10 deg. C
None	approx. 30	approx. 24 rolls
50%	approx. 14	approx. 11 rolls
100%	approx. 9	approx. 7 rolls

OTHER

Remote-control terminal

Yes

IR remote-control receiver

-296, -495, -695 models only

Depth-of-field preview

Yes (Aperture is not changeable during depth-of-field preview)

Custom functions

14 items

MATERIAL

Housing

Plastic (metallic silver), plastic (black)

Lens mount

Oil-retaining stainless-steel

BATTERY

Type

3V CR2 lithium battery cell x 2

Battery-condition indicator

3-stage battery-condition indicator shows remaining battery power when main switch is moved to ON.

DIMENSIONS

Size

127(W) x 87(H) x 60.5 (D)

Weight

335g (w/o battery)



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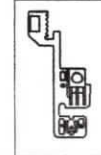
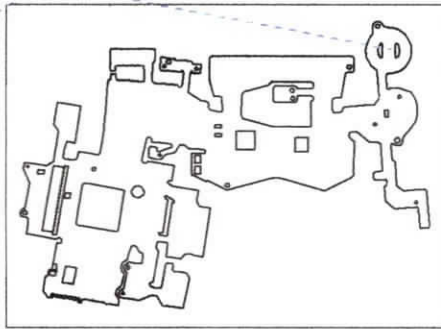
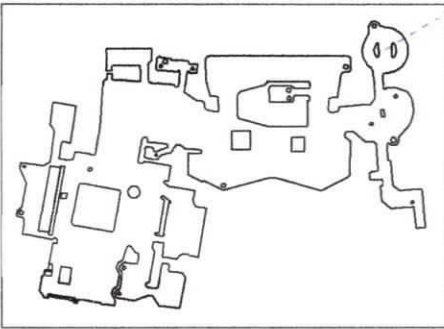
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2163-0300-01	WINDING BASEPLATE ASSY	巻上げ台板セット	1
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2163-1142-01	VERSION TAPE	銘板テープ	1
2163-1146-01	VERSION NAME PLATE (ALPHA SWEET) (-695)	銘板 (α-SWEET)	1
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2163-1474-01	FUNCTION DIAL BASEPLATE	ファンクションダイヤル台板	1
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9747-1755-07	SCREW	ねじ	1
9747-1765-07	SCREW	ねじ	1
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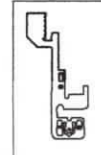


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2163-0418-01
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**(2163)A 2**

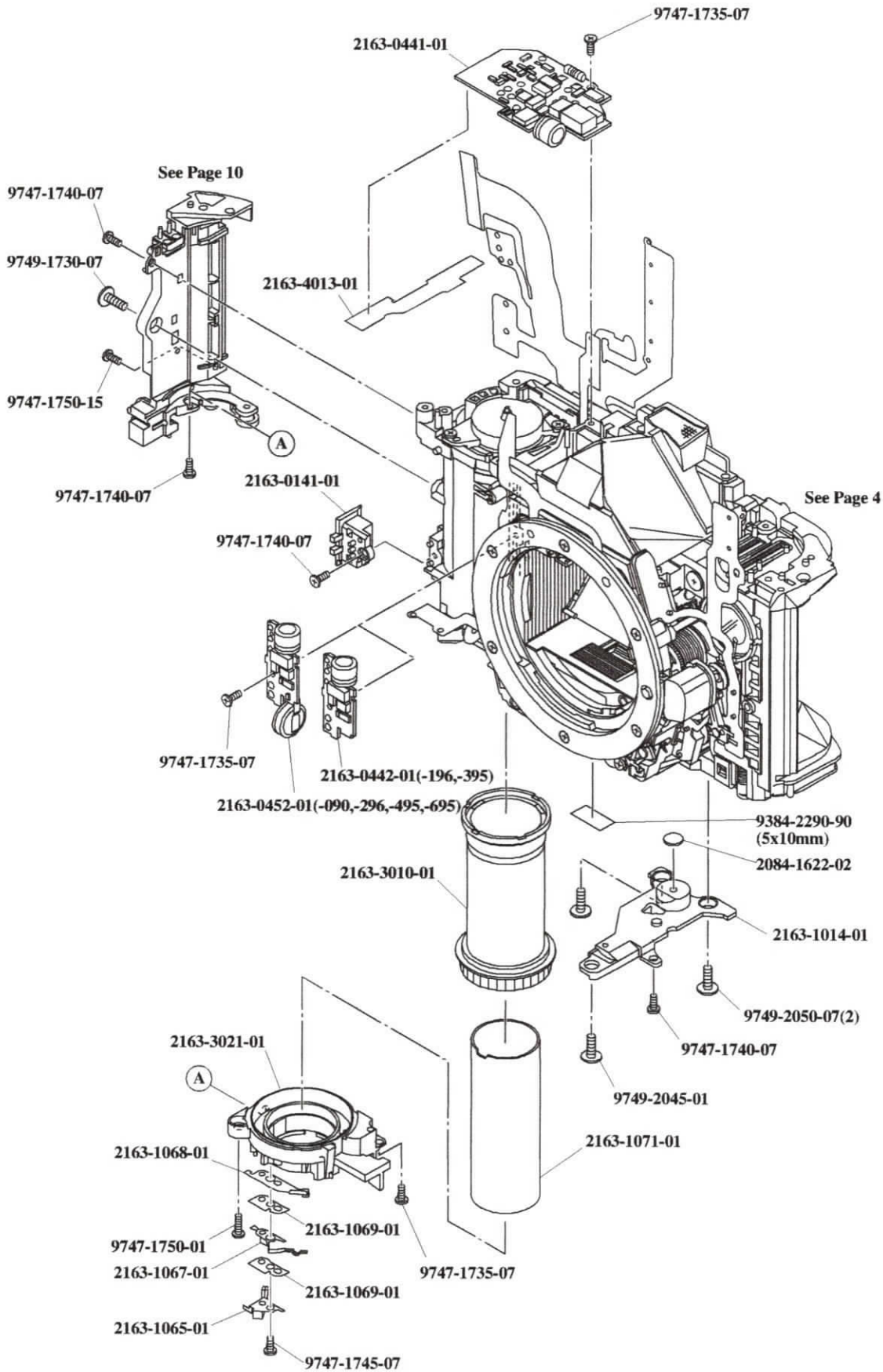
PART NO	PART NAME		QTY.
*2163-0408-01	FPC-A ASSY (-196, -395)	Aフレキセット	1
*2163-0408-02	FPC-A ASSY (-196, -395)	Aフレキセット	
2163-0408-03	FPC-A ASSY (-196, -395)	Aフレキセット	
*2163-0462-01	FPC-A ASSY (-090, -296, -495, -695)	Aフレキセット	
*2163-0462-02	FPC-A ASSY (-090, -296, -495, -695)	Aフレキセット	
2163-0462-03	FPC-A ASSY (-090, -296, -495, -695)	Aフレキセット	1
(2163-0418-01)	FPC-REMOTE ASSY (-196, -395)	リモートフレキセット	
(2163-0419-01)	FPC-REMOTE ASSY (-090, -296, -495, -695)	リモートフレキセット	1
(2163-4014-01)	FPC-SW	SWフレキ	
(2163-4523-01)	REMOTE SENSOR SPONGE	リモートセンサースポンジ	1
(9332-1862-01)	SW	SW	1
(9384-2290-90)	POLYESTER TAPE (PER ROLL/60M) YELLOW	ポリエステルテープ	1
2163-0440-01	SUPPORT PCB-1 ASSY (-090, -296, -495, -695)	補助基板-1セット	1
2163-0446-01	SUPPORT PCB-3 ASSY	補助基板-3セット	1
2163-1002-01	STRAP EYELET (R)	吊環 (R)	1
*2163-1007-01	LCD HOLDER	L C Dホルダー	1
2163-1007-06	LCD HOLDER	L C Dホルダー	1
2163-1008-01	LCD1 PRESSURE	L C D 1 押え	1
2163-1017-01	DOUBLE-FACED TAPE (PER ROLL)	両面テープ	1
*2163-1019-01	P BUTTON SHEET	P 釦シート	2
2163-1019-81	P BUTTON SHEET	P 釦シート	2 1
2163-1020-01	P BUTTON SHEET-1	P 釦シート 1	1
2163-1042-01	AF BUTTON TAPE	A F 釦テープ	1
2005-1062-81	ADJUSTMENT WASHER-B (T=0.05)	調整ワッシャー B	1
2075-1062-02	OVER RIDE CONTACT	オーバーライド接片	4
2005-1063-81	ADJUSTMENT WASHER-C (T=0.1)	調整ワッシャー C	1
2163-1414-01	P RESET BUTTON CLICK CONTACT	P 釦クリック接片	1
2163-4019-01	FPC-CONNECT-1	中継フレキ 1	1
2163-4201-01	LCD1	L C D 1	1
2163-4202-01	LCD1 CONNECTOR	L C D 1 コネクター	1
2163-4371-01	C157	C 1 5 7	1
2163-4501-01	CONNECTOR RUBBER-A	圧接ゴム A	2
2163-4502-01	CONNECTOR RUBBER-B	圧接ゴム B	1
2163-4511-01	CONNECTOR PLATE	圧接板	1
*9384-2190-50	DOUBLE-FACED TAPE (PER ROLL)	両面テープ	3 4 3
*9384-2290-90	POLYESTER TAPE (PER ROLL/60M) YELLOW	ポリエステルテープ	4 6 5
9384-2391-20	ACETATE TAPE (PER ROLL)	アセテートクロステープ	1
9384-2590-50	MENDING TAPE (1R/50M)	メンディングテープ	2
9747-1745-07	SCREW	ねじ	2
9747-1755-07	SCREW	ねじ	1
9747-1760-07	SCREW	ねじ	1
9761-2055-07	SCREW	ねじ	1
9761-2060-01	SCREW	ねじ	1

PARTS LIST



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PARTS LIST



**(2163)A 3**

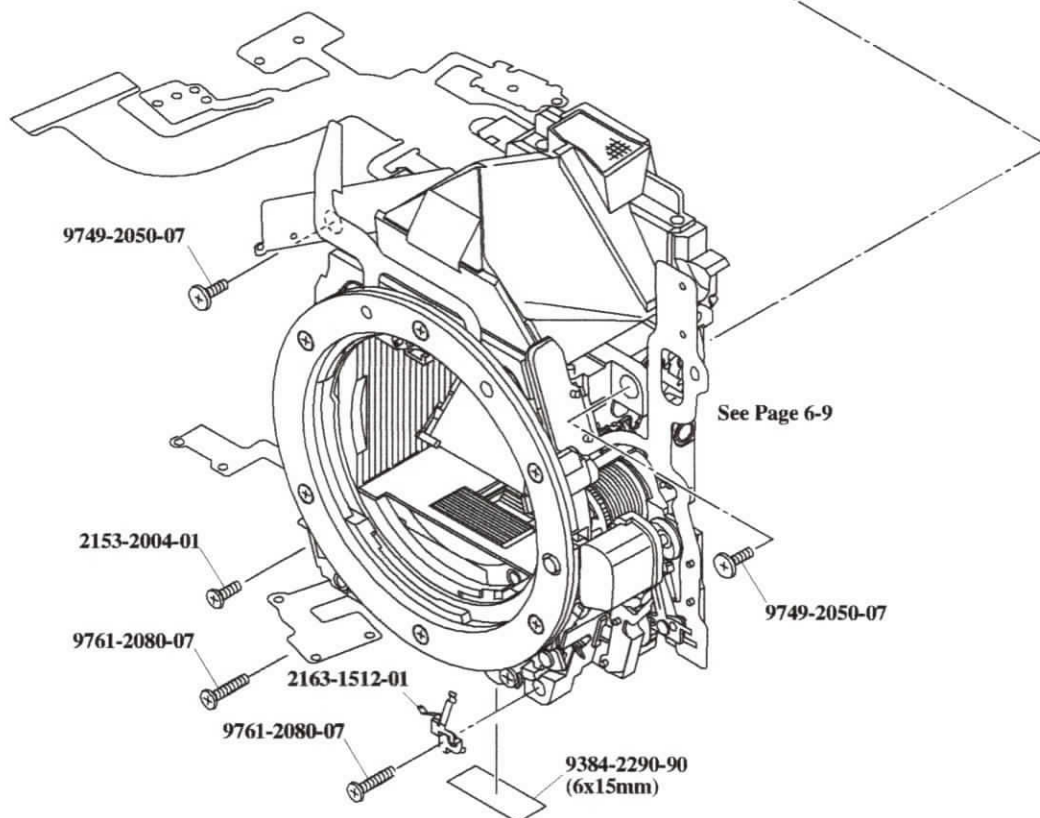
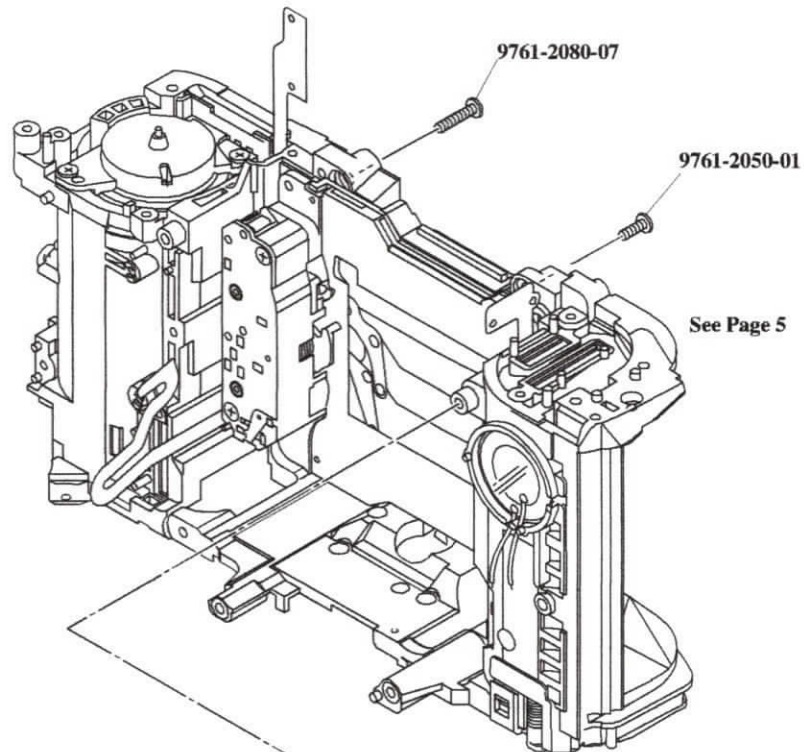
PART NO	PART NAME		QTY.
2163-0141-01	REMOTE-RELEASE ASSY	リモートホルダーセット	1
2163-0441-01	FLASH CONVERTER PCB-A ASSY	フラッシュコンバーター基板Aセット	1
2163-0442-01	FLASH CONVERTER PCB-B ASSY (-196, -395)	フラッシュコンバーター基板Bセット	} 1
2163-0452-01	FLASH CONVERTER PCB-B ASSY (-090, -296, -495, -695)	フラッシュコンバーター基板Bセット	
2163-1014-01	TRIPOD BASE PLATE	三脚台板	1
2163-1065-01	BATTERY CONTACT-A (+)	電池接片A (+)	1
2163-1067-01	BATTERY DETECT CONTACT-A	電池検知接片A	1
2163-1068-01	BATTERY DETECT CONTACT-B	電池検知接片B	1
2163-1069-01	BATTERY DETECT CONTACT SPACER	電池検知接片間隔板	2
2163-1071-01	BATTERY CHAMBER BARREL	電池室内筒	1
2084-1622-02	COVER PLATE-A	F 飾り板A	1
2163-3010-01	SPOOL	スプール	1
2163-3021-01	SPOOL BOTTOM PLATE	スプール台板下	1
2163-4013-01	FPC-CONVERTER	コンバーターフレキ	1
9384-2290-90	POLYESTER TAPE (PER ROLL/60M) YELLOW	ポリエステルテープ	1
9747-1735-07	SCREW	ねじ	3
9747-1740-07	SCREW	ねじ	4
9747-1745-07	SCREW	ねじ	1
9747-1750-01	SCREW	ねじ	1
9747-1750-15	SCREW	ねじ	1
9749-1730-07	SCREW	ねじ	1
9749-2045-01	SCREW	ねじ	1
9749-2050-07	SCREW	ねじ	2

PARTS LIST



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PARTS LIST





(2163)A 4

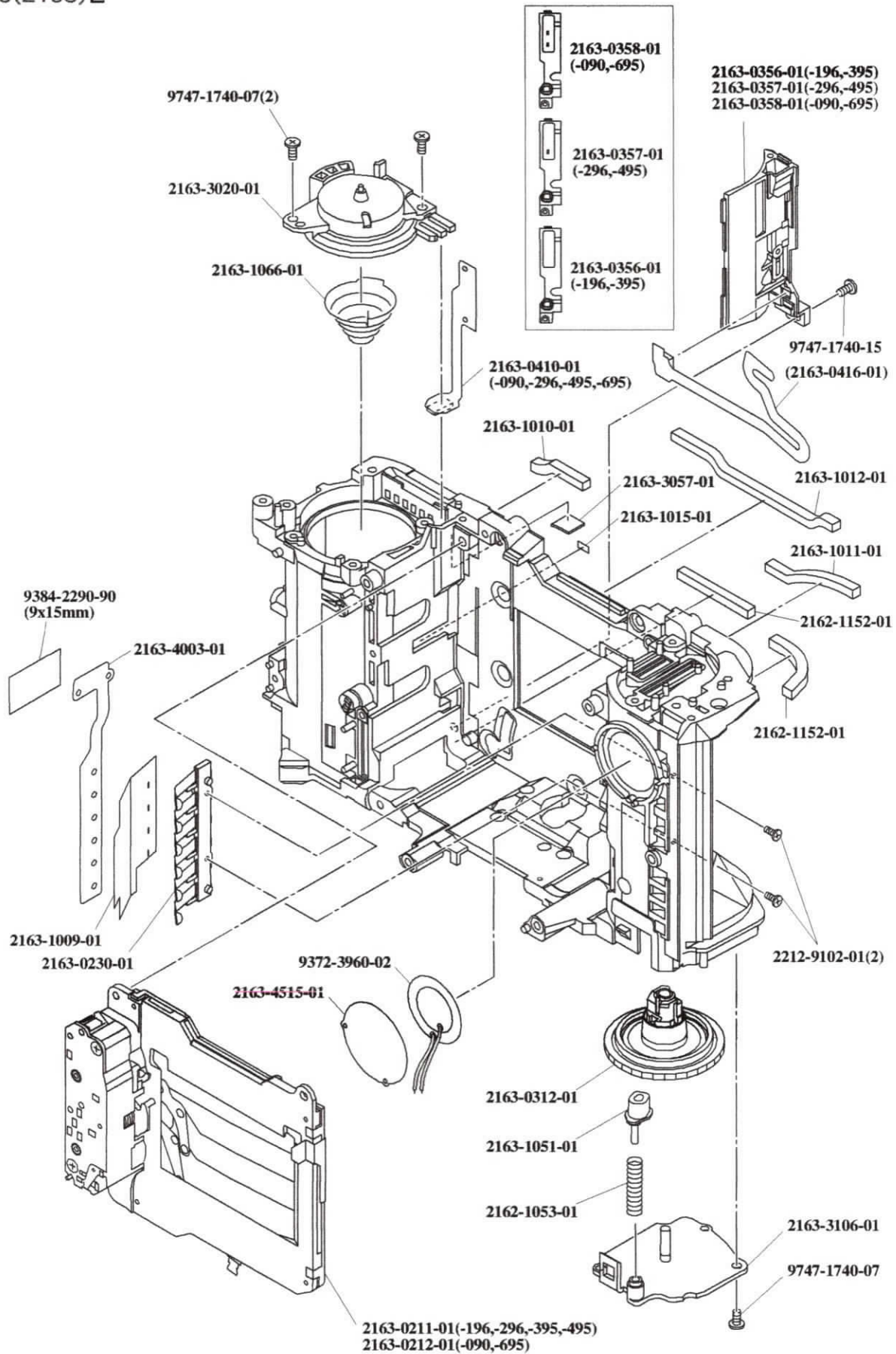
PART NO	PART NAME		QTY.
2163-1512-01	SAF/M DETECT CONTACT-B	S A F / M接片 B	1
2153-2004-01	SCREW	ねじ	1
9384-2290-90	POLYESTER TAPE (PER ROLL/60M) YELLOW	ポリエステルテープ	1
9749-2050-07	SCREW	ねじ	2
9761-2050-01	SCREW	ねじ	1
9761-2080-07	SCREW	ねじ	3

PARTS LIST



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PARTS LIST



**(2163)A 5**

PART NO	PART NAME		QTY.
2163-0211-01	SHUTTER ASSY (-196, -296, -395, -495)	シャッターセット	} 1
2163-0212-01	SHUTTER ASSY (-090, -695)	シャッターセット	
2163-0230-01	DX CONTACT ASSY	C A S 接片セット	1
2163-0312-01	FORK GEAR ASSY	フォークギヤセット	1
2163-0356-01	FILM GUIDE ASSY (-196, -395)	フィルムガイドセット	} 1
2163-0357-01	FILM GUIDE ASSY (-296, -495)	フィルムガイドセット	
2163-0358-01	FILM GUIDE ASSY (-090, -695)	フィルムガイドセット	
(2163-0416-01)	FPC-SSP ASSY	S S P フレキセット	1
2163-0410-01	FPC-DATE ASSY (-090, -296, -495, -695)	デートフレキセット	1
2163-1009-01	CAS LIGHT SHIELD SHEET	C A S 遮光シート	1
2163-1010-01	LIGHT SHIELD SPONGE-C	遮光スポンジC	1
2163-1011-01	LIGHT SHIELD SPONGE-B	遮光スポンジB	1
2163-1012-01	LIGHT SHIELD SPONGE-A	遮光スポンジA	1
2163-1015-01	FILM TIP INDEX	ローディング指標	1
2163-1051-01	FILM PUSH-UP PIN	バト押し上げピン	1
2162-1053-01	FILM PUSH-UP PIN SP	バト押し上げピン S P	1
2163-1066-01	BATTERY CONTACT-B (-)	電池接片 B (-)	1
2162-1152-01	BACK TERMINAL DUSTPROOF SHEET	バック端子防塵シート	2
2163-3020-01	SPOOL TOP PLATE	スプール台板上	1
2163-3057-01	WINDING SUPPORT SHEET	フィルム規制シート	1
2163-3106-01	REWIND BASE PLATE	巻戻し台板	1
2163-4003-01	FPC-DX	C A S フレキ	1
2163-4515-01	BUZZER TAPE	ブザー貼付けテープ	1
2212-9102-01	SCREW	ねじ	2
9372-3960-02	BUZZER	ブザー	1
9384-2290-90	POLYESTER TAPE (PER ROLL/60M) YELLOW	ポリエステルテープ	1
9747-1740-07	SCREW	ねじ	3
9747-1740-15	SCREW	ねじ	1

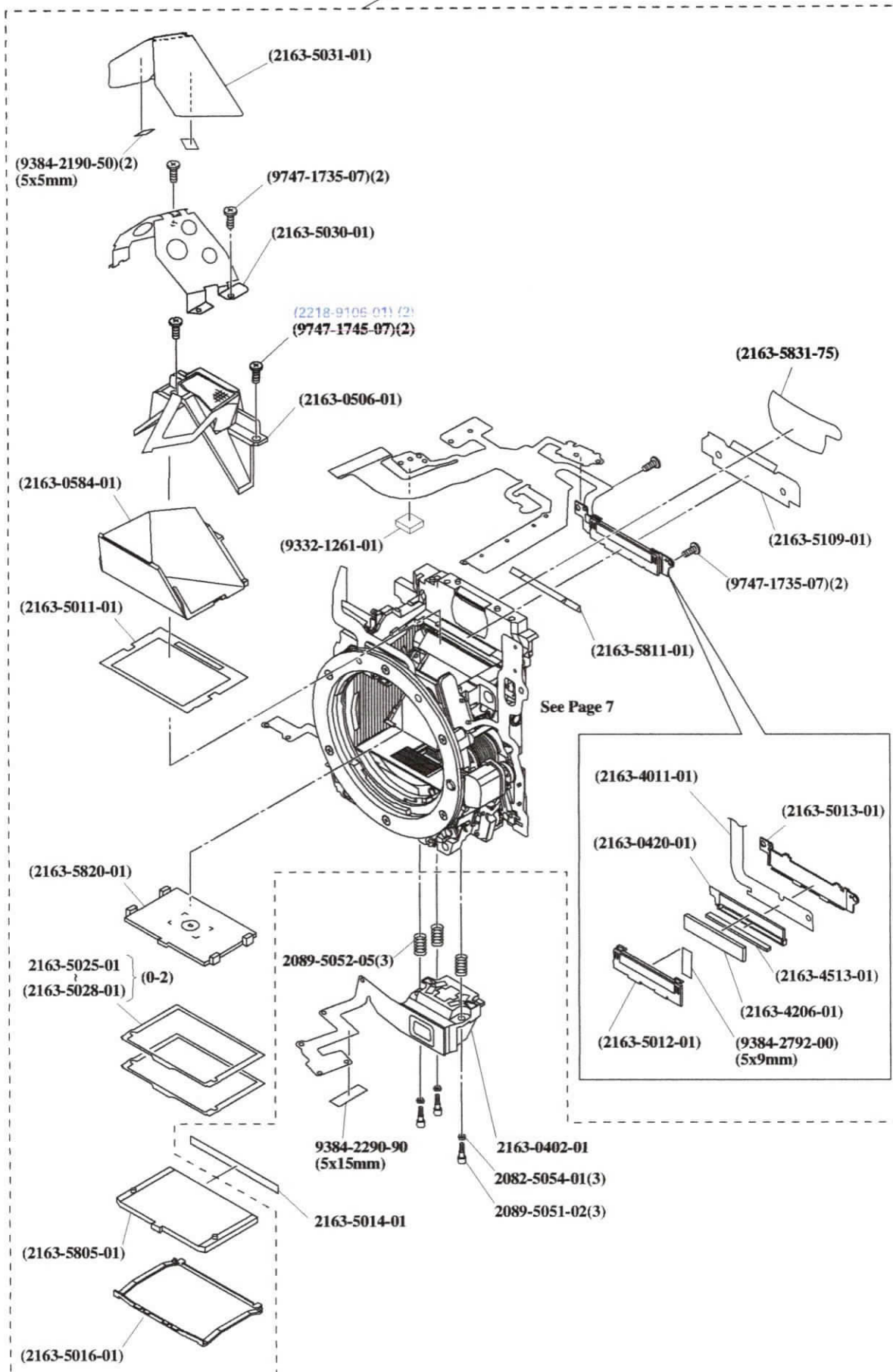
PARTS LIST



6(2163)A

03-0700-01 (PANORAMA)
2163-0500-01 (IN PANORAMA)

PARTS LIST

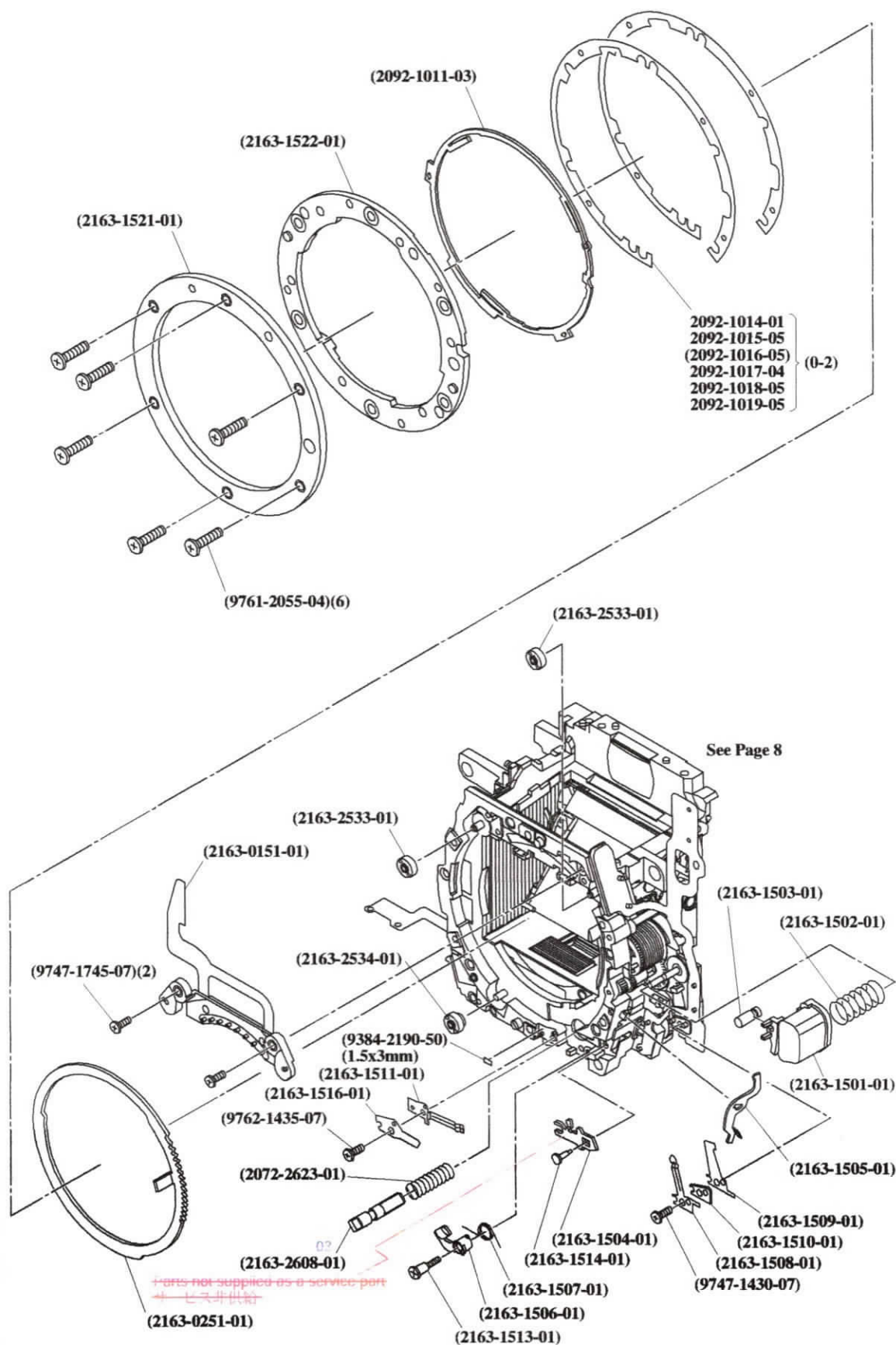


**(2163)A 6**

PART NO	PART NAME		QTY.
2163-0500-01	MIRROR BOX ASSY	ミラーボックスセット	1
2163-0700-01	MIRROR BOX ASSY (PANORAMA)	ミラーボックスセット	1
(2163-0420-01)	IF BACK LIGHT LED ASSY	I F バックライト L E D セット	1
(2163-0506-01)	AF LED HOLDER ASSY	A F L E D ホルダーセット	1
(2163-0584-01)	PENTA-PRISM ASSY	ペンタプリズムセット	1
(2163-4011-01)	FPC-LCD	L C D フレキ	1
(2163-4206-01)	LCD2	L C D 2	1
(2163-4513-01)	LCD2 CONNECTOR	L C D 2 コネクター	1
(2163-5011-01)	FINDER VIEW FRAME	視野枠	1
(2163-5012-01)	LCD2 PRESSURE	L C D 2 押え	1
(2163-5013-01)	LCD2 HOLDER	L C D 2 ホルダー	1
(2163-5016-01)	FOCUSING SCREEN SP	焦点板押え S P	1
(2163-5028-01)	VB WASHER-D	V B ワッシャ D	1
(2163-5030-01)	PENTA PRESSURE	ペンタ押え	1
(2163-5031-01)	PENTA INSULATION SHEET	ペンタ絶縁シート	1
(2163-5109-01)	MIRROR CURTAIN	ミラーカーテン	1
(2163-5805-01)	FOCUSING SCREEN	焦点板	1
(2163-5811-01)	IF PRISM	I F プリズム	1
(2163-5820-01)	SI SCREEN	S I スクリーン	1
(2163-5831-75)	EYE-PIECE LENS PROTECT SHEET FOR 2163	2 1 6 3 用接眼レンズ保護シート	1
(2218-9106-01)	SCREW	ねじ	2
(9332-1261-01)	SWITCH	S W	1
(9384-2190-50)	DOUBLE-FACED TAPE (PER ROLL)	両面テープ	2
(9384-2792-00)	FILM TAPE-A (PER ROLL/BLACK)	フィルムテープ A	1
(9747-1735-07)	SCREW	ねじ	4
(9747-1745-07)	SCREW	ねじ	2
2163-0402-01	FPC-B ASSY	B フレキセット	1
2163-5014-01	IF LIGHT SHIELD SHEET	I F 遮光シート	1
2163-5025-01	VB WASHER-A (T=0.05)	V B ワッシャ A	} 0-2
2163-5026-01	VB WASHER-B (T=0.1)	V B ワッシャ B	
2163-5027-01	VB WASHER-C (T=0.15)	V B ワッシャ C	
2163-5028-01	VB WASHER-D (T=0.2)	V B ワッシャ D	
2089-5051-02	SCREW	ねじ	3
2089-5052-05	AF ADJUSTMENT SP	A F 調整 S P	3
2082-5054-01	WASHER	ワッシャ	3
9384-2290-90	POLYESTER TAPE (PER ROLL/60M) YELLOW	ポリエステルテープ	1



PARTS LIST



**(2163)A 7**

PART NO	PART NAME		QTY.
2163-0500-01	MIRROR BOX ASSY	ミラーボックスセット	1
2163-0700-01	MIRROR BOX ASSY (PANORAMA)	ミラーボックスセット	1
(2163-0151-01)	BL CONTACT HOLDER ASSY	B L 接片ホルダーセット	1
(2163-0251-01)	APERTURE RING ASSY	絞りリングセット	1
(2092-1011-03)	BAYONET SP	リング S P	1
(2092-1016-05)	BB ADJUSTMENT WASHER-C (T=0.1)	B B 調整ワッシャ C	2
(2163-1501-01)	LENS LOCK BUTTON	レンズロック釦	1
(2163-1502-01)	LENS LOCK SP	レンズロック S P	1
(2163-1503-01)	LENS LOCK PIN	レンズロックピン	1
(2163-1504-01)	AF COUPLER LEVER	A F カプラーレバー	1
(2163-1505-01)	AF COUPLER CONNECT LEVER	A F カプラー連動レバー	1
(2163-1506-01)	AF COUPLER LOCK LEVER	A F カプラー係止レバー	1
(2163-1507-01)	AF COUPLER LOCK LEVER SP	A F カプラー係止レバー S P	1
(2163-1508-01)	SLLK CONTACT-A	S L L K 接片 A	1
(2163-1509-01)	SLLK CONTACT-B	S L L K 接片 B	1
(2163-1510-01)	SLLK CONTACT SPACER	S L L K 接片スペーサー	1
(2163-1511-01)	SAF/M DETECT CONTACT-A	S A F / M 接片 A	1
(2163-1513-01)	AF COUPLER LOCK LEVER SHAFT	A F カプラー係止レバー軸	1
(2163-1514-01)	AF COUPLER LEVER SHAFT	A F カプラーレバー軸	1
(2163-1516-01)	COUPLER LOCK LEVER SUPORT PLATE	A F カプラーロックレバー補助板	1
(2163-1521-01)	BAYONET MOUNT	マウント	1
(2163-1522-01)	BAYONET MOUNT SPACER	マウントスペーサー	1
(2163-2533-01)	RING ROLLER-A	リングローラー A	2
(2163-2534-01)	RING ROLLER-B	リングローラー B	1
*(2163-2608-01)	AF COUPLER	A F カプラー	1
(2163-2608-03)	AF COUPLER	A F カプラー	1
(2072-2623-01)	COUPLER SPRING	カプラー S P	1
(9384-2190-50)	DOUBLE-FACED TAPE (PER ROLL)	両面テープ	1
(9747-1430-07)	SCREW	ねじ	1
(9747-1745-07)	SCREW	ねじ	2
(9761-2055-04)	SCREW	ねじ	6
(9762-1435-07)	SCREW	ねじ	1
2092-1014-01	BB ADJUSTMENT WASHER-A (T=0.05)	B B 調整ワッシャ A	} 0-2
2092-1015-05	BB ADJUSTMENT WASHER-B (T=0.08)	B B 調整ワッシャ B	
2092-1016-05	BB ADJUSTMENT WASHER-C (T=0.1)	B B 調整ワッシャ C	
2092-1017-04	BB ADJUSTMENT WASHER-D (T=0.12)	B B 調整ワッシャ D	
2092-1018-05	BB ADJUSTMENT WASHER-E (T=0.15)	B B 調整ワッシャ E	
2092-1019-05	BB ADJUSTMENT WASHER-F (T=0.2)	B B 調整ワッシャ F	

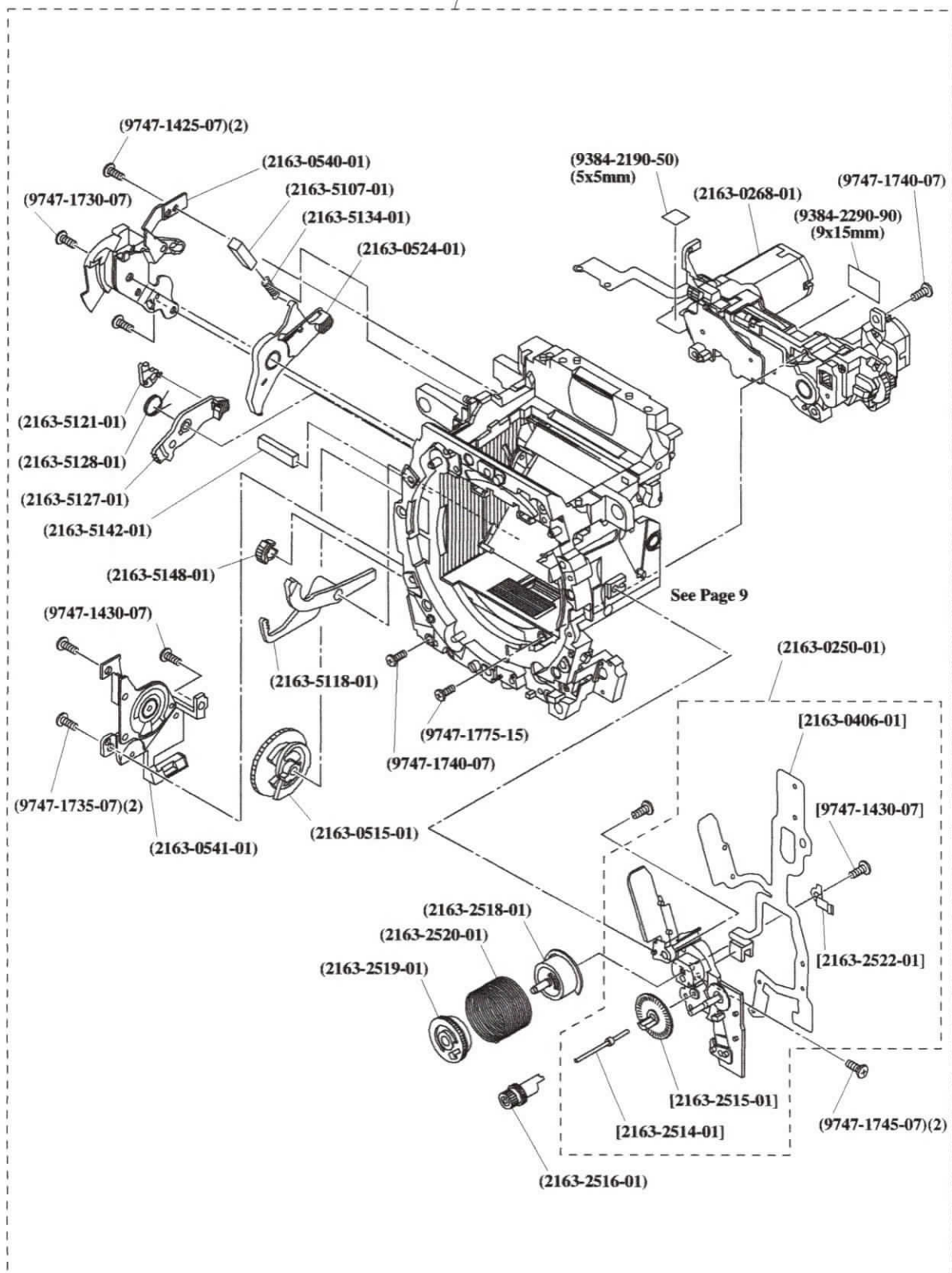
PARTS LIST



8(2163)A

2163-0700-01 (PANORAMA)
2163-0500-01 (NON PANORAMA)

PARTS LIST



**(2163)A 8**

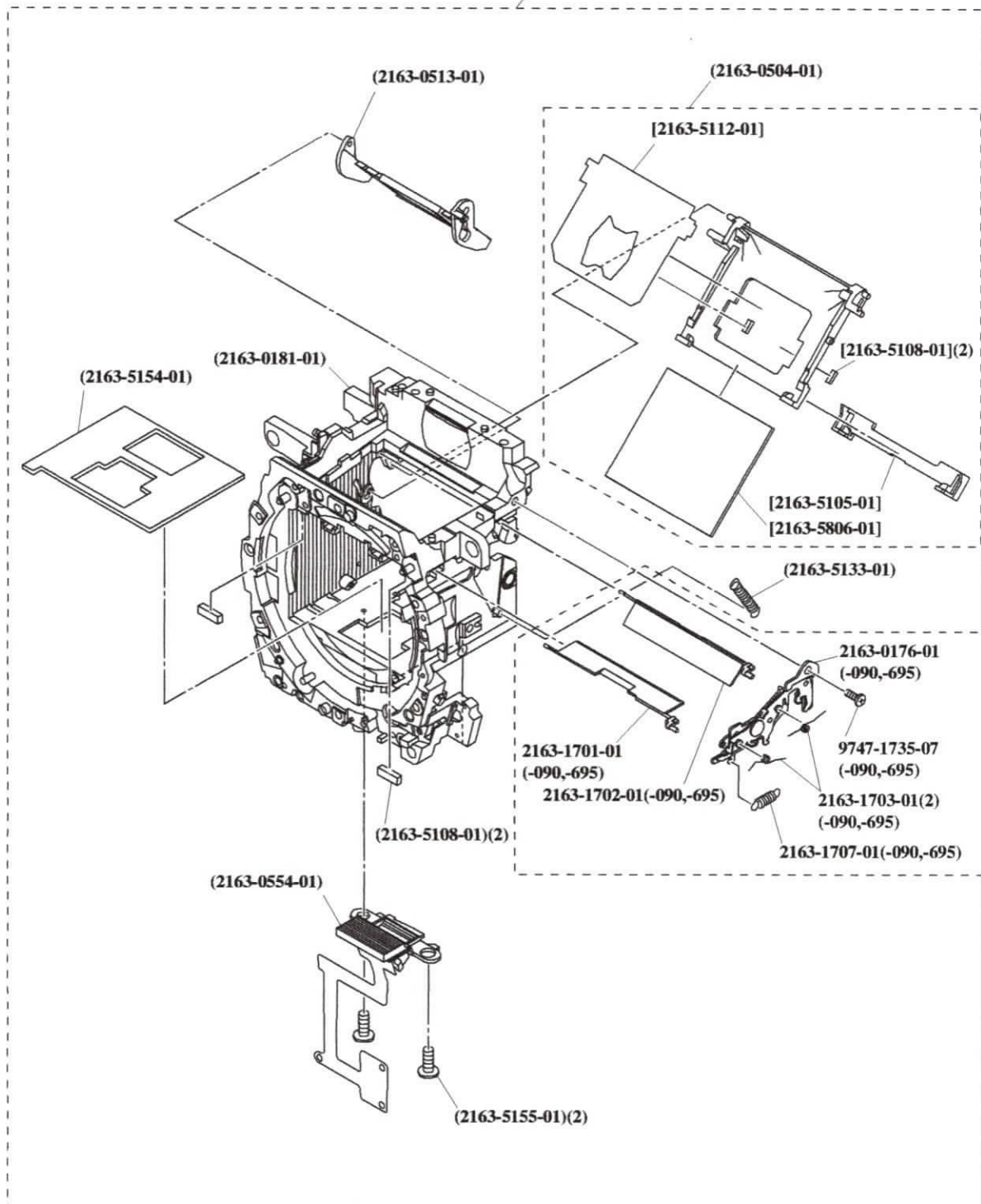
PART NO	PART NAME		QTY.
2163-0500-01	MIRROR BOX ASSY	ミラーボックスセット	1
2163-0700-01	MIRROR BOX ASSY (PANORAMA)	ミラーボックスセット	1
(2163-0250-01)	APERTURE BASE PLATE ASSY	絞り台板セット	1
[2163-0406-01]	FPC-FP ASSY	F P フレキセット	1
[2163-2514-01]	REDUCTION GEAR C SHAFT	減速ギヤ C 軸	1
[2163-2515-01]	REDUCTION GEAR C1	減速ギヤ C 1	1
[2163-2522-01]	PI PRESSURE PLATE	P I 押え板	1
[9747-1430-07]	SCREW	ねじ	1
(2163-0268-01)	AF/CHARGE BASEPLATE ASSY	A F / チャージ台板セット	1
(2163-0515-01)	CHARGE CAM ASSY	チャージカムセット	1
(2163-0524-01)	DRIVE LEVER ASSY	駆動レバーセット	1
(2163-0540-01)	PRESSURE PLATE-A ASSY	押え台板 A セット	1
(2163-0541-01)	PRESSURE PLATE-B ASSY	押え台板 B セット	1
(2163-2516-01)	REDUCTION GEAR C2	減速ギヤ C 2	1
(2163-2518-01)	DRIVE SP-1 BASE PLATE	駆動 S P 1 台板	1
(2163-2519-01)	DRIVE GEAR	駆動ギヤ	1
(2163-2520-01)	DRIVE SP-1	駆動 S P 1	1
(2163-5107-01)	SOUND-PROOF CUSHION	防音クッション	1
(2163-5118-01)	HOOK LEVER	係止レバー	1
(2163-5121-01)	SHUTTER DETENT LEVER	シャッター係止レバー	1
(2163-5127-01)	CHARGE LEVER	チャージレバー	1
(2163-5128-01)	CHARGE LEVER SP	チャージレバー S P	1
(2163-5134-01)	DRIVE SP-2	駆動 S P 2	1
(2163-5142-01)	BALANCER CUSHION	バランサークッション	1
(2163-5148-01)	RELEASE DRIVE GEAR	リリース駆動ギヤ	1
(9384-2190-50)	DOUBLE-FACED TAPE (PER ROLL)	両面テープ	1
(9384-2290-90)	POLYESTER TAPE (PER ROLL/60M) YELLOW	ポリエステルテープ	1
(9747-1425-07)	SCREW	ねじ	2
(9747-1430-07)	SCREW	ねじ	1
(9747-1730-07)	SCREW	ねじ	1
(9747-1735-07)	SCREW	ねじ	2
(9747-1740-07)	SCREW	ねじ	2
(9747-1745-07)	SCREW	ねじ	2
(9747-1775-15)	SCREW	ねじ	1



9(2163)A

2163-0700-01 (PANORAMA)
2163-0500-01 (NON PANORAMA)

PARTS LIST





(2163)A 9

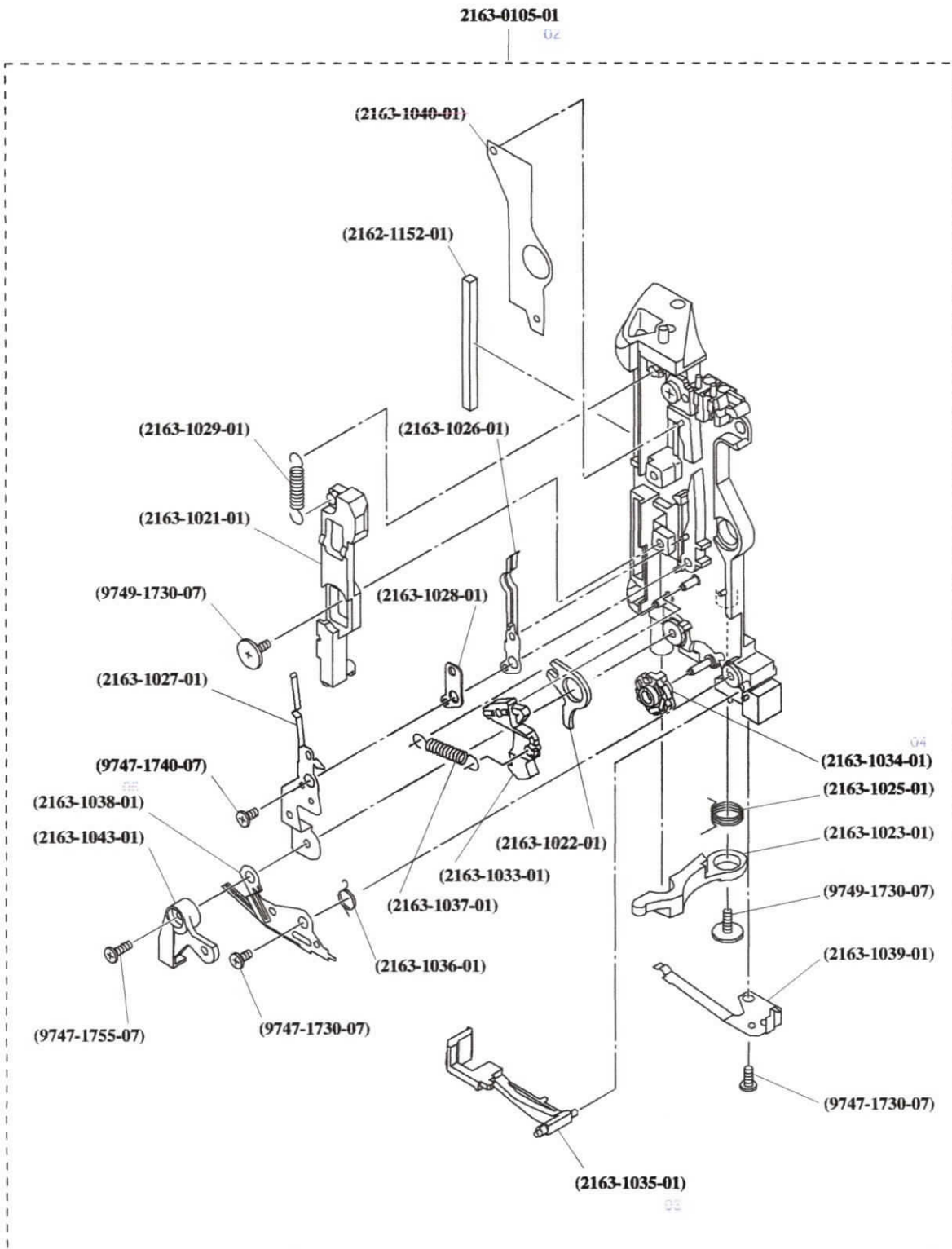
PART NO	PART NAME		QTY.
2163-0500-01	MIRROR BOX ASSY	ミラーボックスセット	1
2163-0700-01	MIRROR BOX ASSY (PANORAMA)	ミラーボックスセット	1
(2163-0181-01)	FRONT FRAME ASSY	前枠セット	1
(2163-0504-01)	MAIN MIRROR HOLDER ASSY	主ミラーホルダーセット	1
[2163-5105-01]	MAIN MIRROR PRESSURE	主ミラー押え	1
[2163-5108-01]	MAIN MIRROR CUSHION	主ミラークッション	2
[2163-5112-01]	MASK PLATE	マスク板	1
[2163-5806-01]	MAIN MIRROR	主ミラー	1
(2163-0513-01)	SUB MIRROR HOLDER ASSY	サブミラーホルダーセット	1
(2163-0554-01)	SPC2 HOLDER ASSY	S P C 2ホルダーセット	1
(2163-5108-01)	MAIN MIRROR CUSHION	主ミラークッション	2
(2163-5133-01)	SUB MIRROR DRIVE SP	サブミラー駆動S P	1
(2163-5154-01)	FLARE PREVENT SHEET	フレアー防止シート	1
(2163-5155-01)	SCREW	ねじ	2
2163-0176-01	PANORAMA FINDER BASEPLATE ASSY (-090, -695)	パノラマファインダー台板セット	1
2163-1701-01	PANORAMA FRAME PLATE-A (-090, -695)	パノラマ遮光板A	1
2163-1702-01	PANORAMA FRAME PLATE-B (-090, -695)	パノラマ遮光板B	1
2163-1703-01	PANORAMA OVERCHARGE SP (-090, -695)	パノラマオーバーチャージS P	2
2163-1707-01	PANORAMA RESET SP (-090, -695)	パノラマリセットS P	1
9747-1735-07	SCREW (-090, -695)	ねじ	1

PARTS LIST



10(2163)A

PARTS LIST

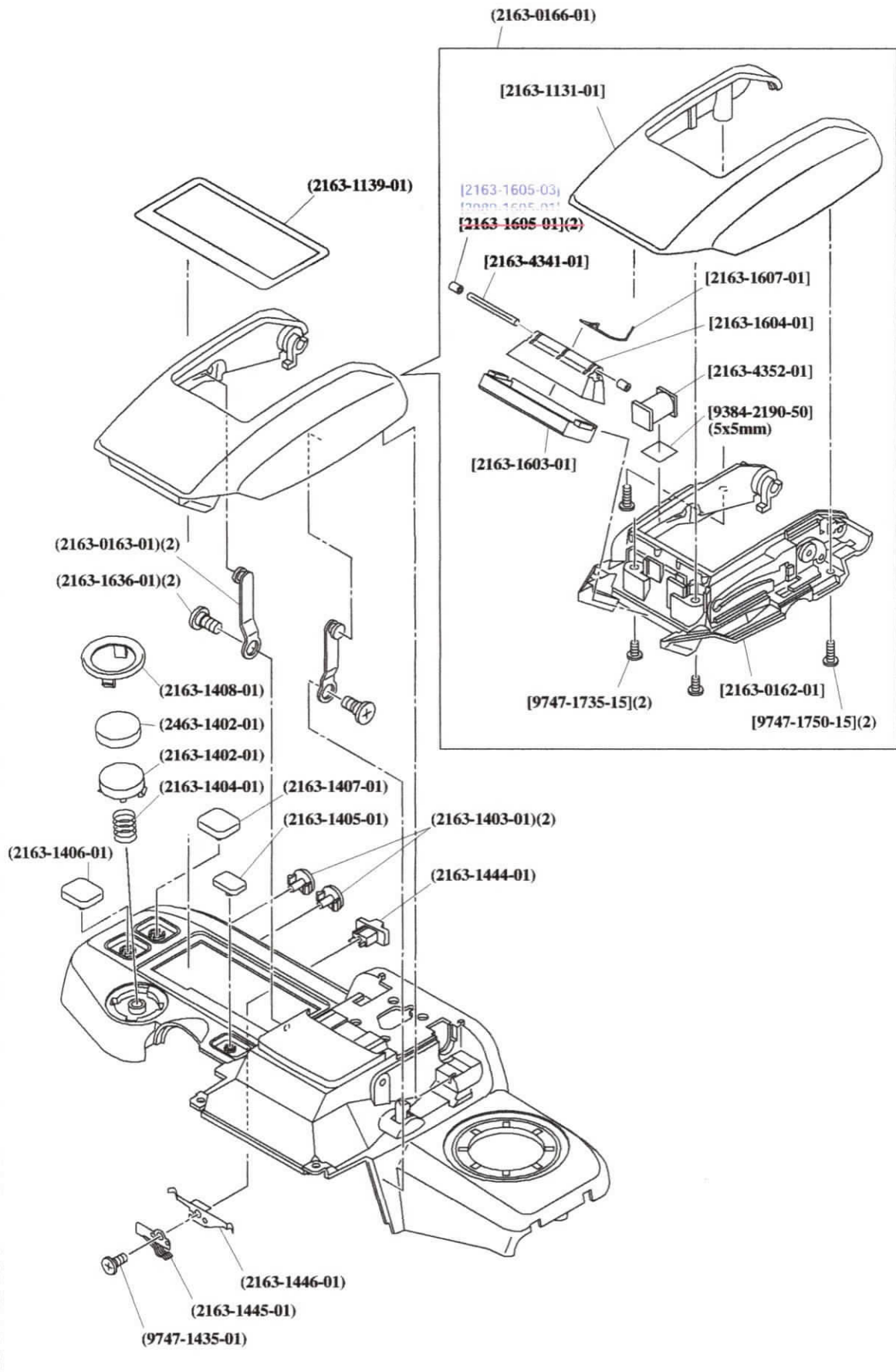


**(2163)A 10**

PART NO	PART NAME		QTY.
*2163-0105-01	SAFETY LOCK BASEPLATE ASSY	セーフティロック台板セット	1
2163-0105-02	SAFETY LOCK BASEPLATE ASSY	セーフティロック台板セット	1
(2163-1021-01)	BACK COVER LOCK PLATE	裏蓋ロック板	1
(2163-1022-01)	BACK COVER LOCK JOINT LEVER	裏蓋ロック連結レバー	1
(2163-1023-01)	BACK COVER LOCK RELEASE LEVER	裏蓋ロック解除レバー	1
(2163-1025-01)	BACK COVER LOCK RELEASE LEVER SP	裏蓋ロック解除レバー S P	1
(2163-1026-01)	BACK COVER DETECT CONTACT-A	裏蓋検知接片 A	1
(2163-1027-01)	BACK COVER DETECT CONTACT-B	裏蓋検知接片 B	1
(2163-1028-01)	BACK COVER DETECT CONTACT SPACER	裏蓋検知接片間隔板	1
(2163-1029-01)	BACK COVER LOCK SP	裏蓋ロック S P	1
(2163-1033-01)	SAFETY LOCK DRIVE LEVER	セーフティロック駆動レバー	1
*(2163-1034-01)	SAFETY LOCK CHANGEOVER CAM	セーフティロック切替えカム	1
(2163-1034-04)	SAFETY LOCK CHANGEOVER CAM	セーフティロック切替えカム	1
*(2163-1035-01)	SAFETY LOCK SWITCH LEVER	セーフティロック S Wレバー	1
(2163-1035-03)	SAFETY LOCK SWITCH LEVER	セーフティロック S Wレバー	1
(2163-1036-01)	SAFETY LOCK SWITCH LEVER SP	セーフティロック S Wレバー S P	1
(2163-1037-01)	SAFETY LOCK DRIVE LEVER SP	セーフティロック駆動レバー S P	1
*(2163-1038-01)	SAFETY LOCK DETECT CONTACT-A	セーフティロック検知接片 A	1
(2163-1038-06)	SAFETY LOCK DETECT CONTACT-A	セーフティロック検知接片 A	1
(2163-1039-01)	SAFETY LOCK DETECT CONTACT-B	セーフティロック検知接片 B	1
(2163-1040-01)	SAFETY LOCK COVER SHEET	セーフティロックカバーシート	1
(2163-1043-01)	SAFETY LOCK CONTACT HOLD PLATE	セーフティロック接片保持板	1
(2162-1152-01)	BACK TERMINAL DUSTPROOF SHEET	バック端子防塵シート	1
(9747-1730-07)	SCREW	ねじ	2
(9747-1740-07)	SCREW	ねじ	1
(9747-1755-07)	SCREW	ねじ	1
(9749-1730-07)	SCREW	ねじ	2



PARTS LIST

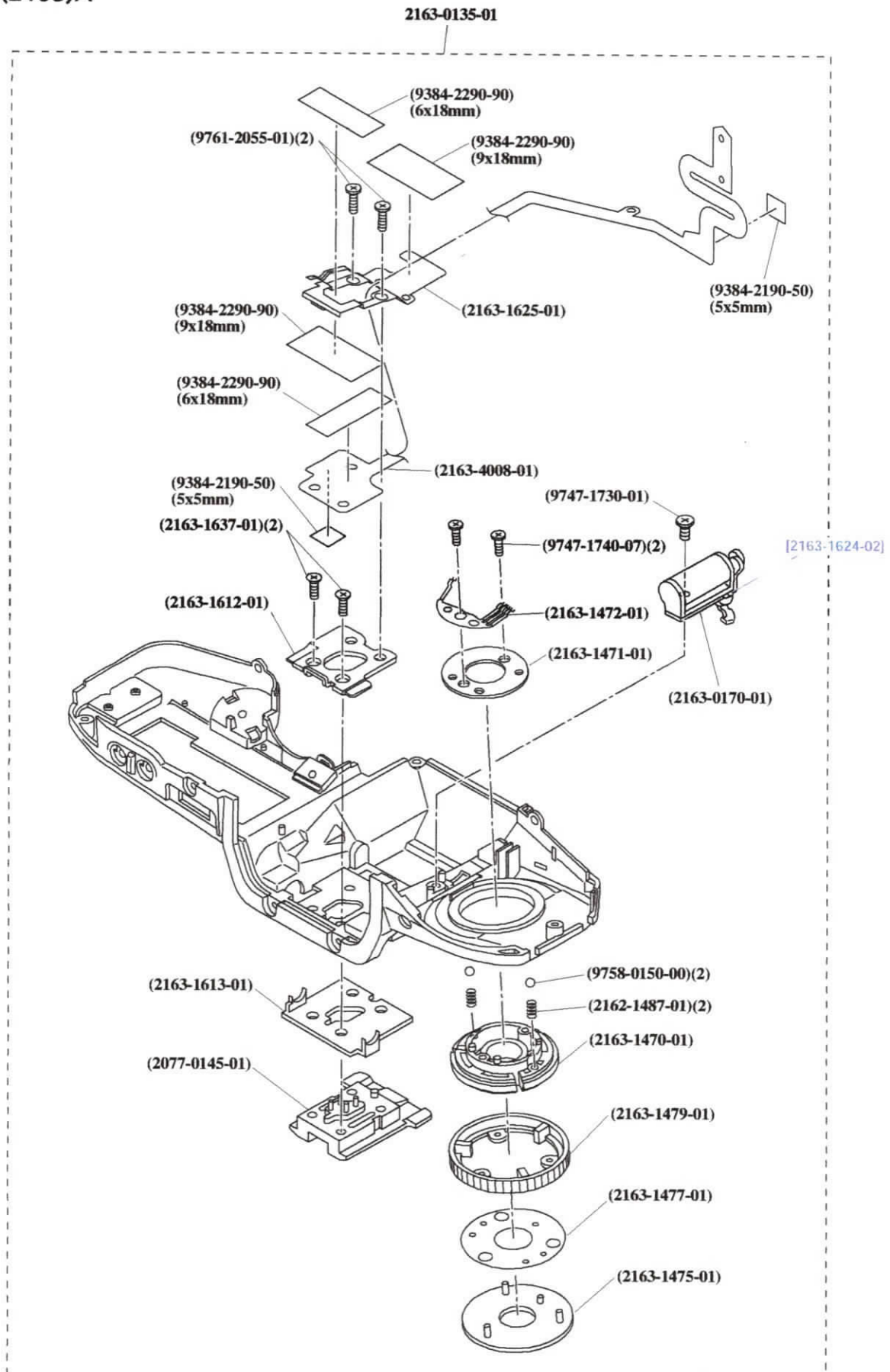




(2163)A 11

PART NO	PART NAME		QTY.
2163-0135-01	TOP COVER ASSY	上カバーセット	1
(2163-0163-01)	POP-UP GUIDE PLATE ASSY	ポップアップガイド板セット	2
(2163-0166-01)	FLASH ASSY	フラッシュセット	1
[2163-0162-01]	FLASH BOTTOM COVER ASSY	フラッシュ下カバーセット	1
[2163-1131-01]	FLASH TOP COVER	フラッシュ上カバー	1
[2163-1603-01]	FLASH PANEL	発光パネル	1
[2163-1604-01]	XE HOLDER-A	X EホルダーA	1
[2163 1605 01]	RUBBER TUBE	ゴムチューブ	2
[2089-1605-01]	RUBBER TUBE	ゴムチューブ	1
[2163-1605-03]	RUBBER TUBE	ゴムチューブ	2
[2163-1607-01]	XE HOLDER-B	X EホルダーB	1
[2163-4341-01]	XE TUBE	X Eチューブ	1
[2163-4352-01]	TRIGGER COIL	トリガーコイル	1
[9384-2190-50]	DOUBLE-FACED TAPE (PER ROLL)	両面テープ	1
[9747-1735-15]	SCREW	ねじ	2
[9747-1750-15]	SCREW	ねじ	2
(2163-1139-01)	LCD WINDOW TAPE	L C D窓テープ	1
(2163-1402-01)	SHUTTER-RELEASE BUTTON	レリーズ釦	1
(2463-1402-01)	SHUTTER-RELEASE BUTTON CAP	レリーズボタンキャップ	1
(2163-1403-01)	SPOT LOCK BUTTON	スポットロック釦	2
(2163-1404-01)	SHUTTER-RELEASE BUTTON SP	レリーズボタンS P	1
(2163-1405-01)	P RESET BUTTON	P釦	1
(2163-1406-01)	SELECT BUTTON	セレクト釦	1
(2163-1407-01)	DRIVE MODE BUTTON	ドライブモード釦	1
(2163-1408-01)	SHUTTER-RELEASE BUTTON BASEPLATE	レリーズ釦台板	1
(2163-1444-01)	MAIN SWITCH LEVER	メインスイッチレバー	1
(2163-1445-01)	MAIN SWITCH CONTACT	メインスイッチ接片	1
(2163-1446-01)	MAIN SWITCH CLICK PLATE	メインスイッチクリック板	1
(2163-1636-01)	POP-UP STOPPER SHAFT	ポップアップストッパー軸	2
(9747-1435-01)	SCREW	ねじ	1

PARTS LIST



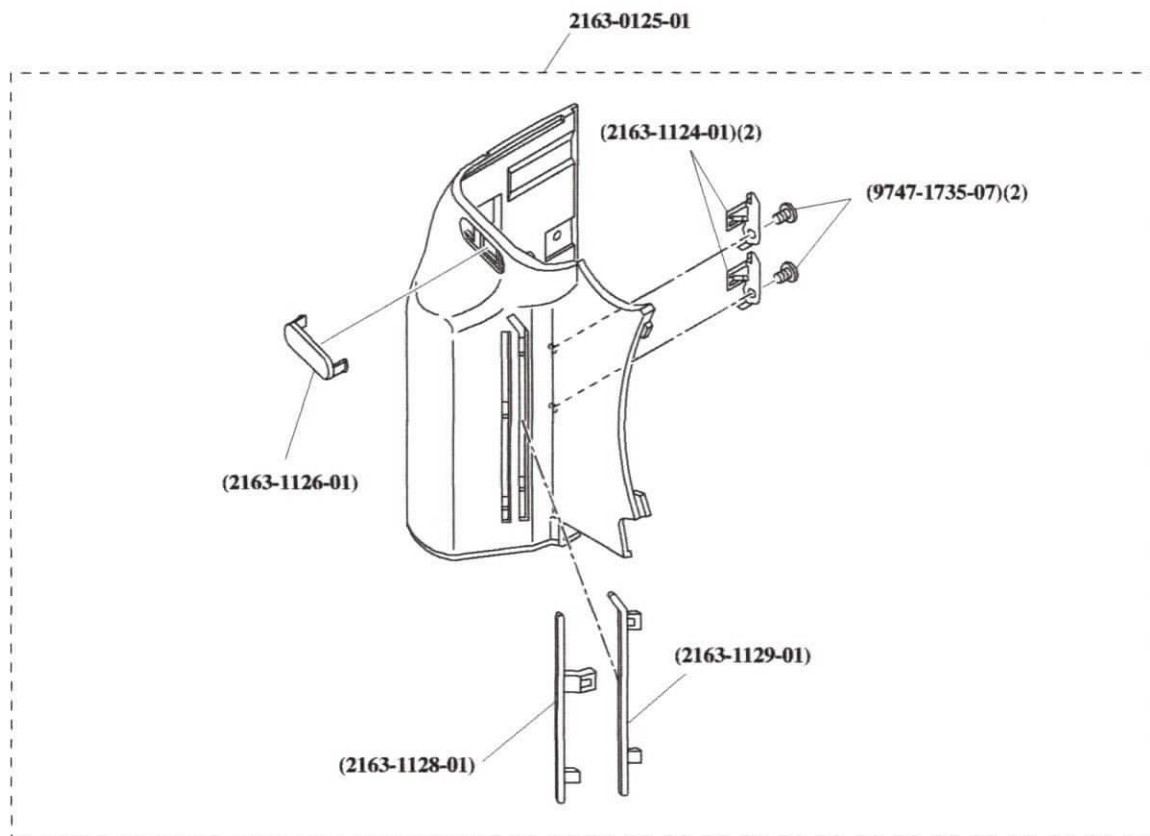
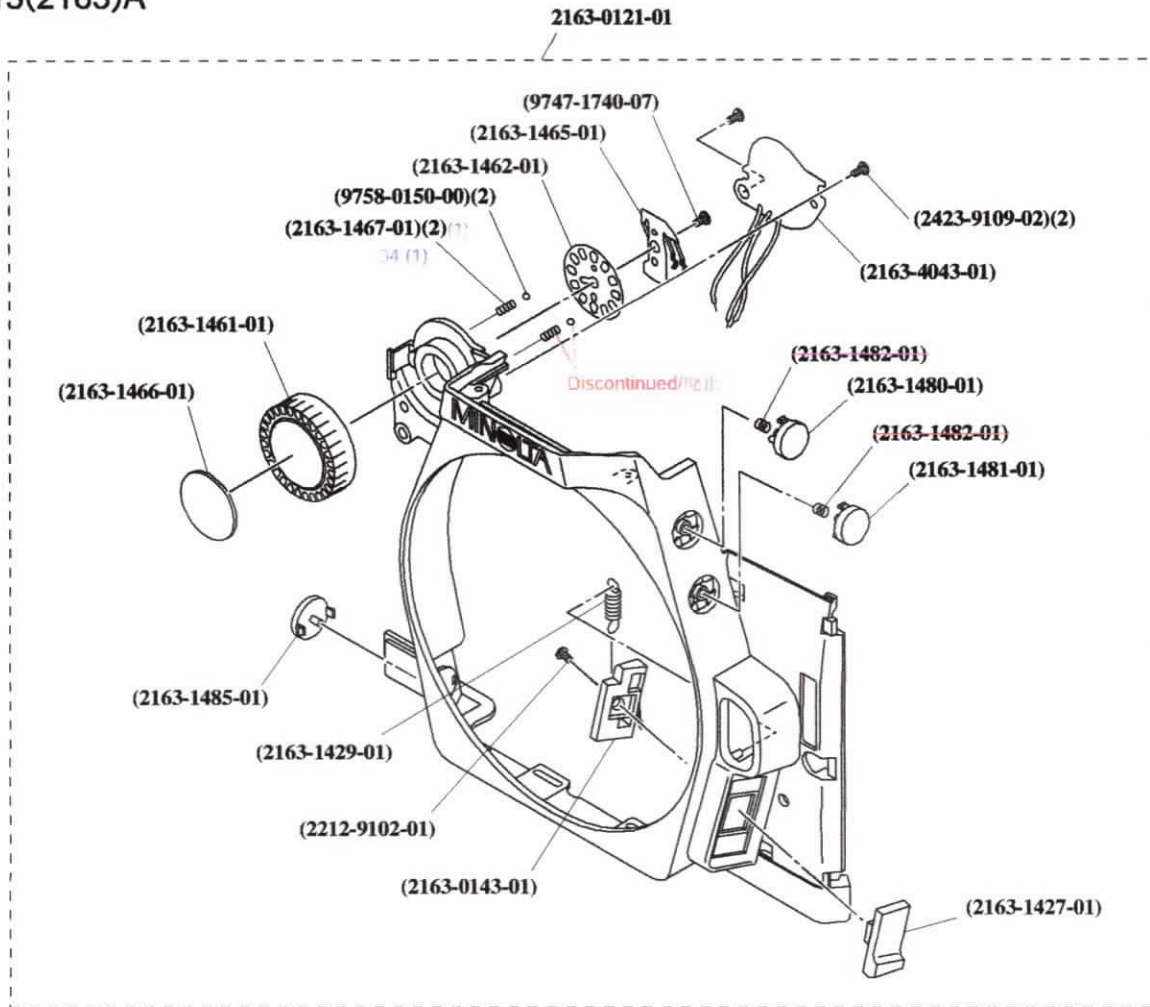
**(2163)A 12**

PART NO	PART NAME		QTY.
2163-0135-01	TOP COVER ASSY	上カバーセット	1
(2077-0145-01)	FLASH ACC SHOE SET	アクセサリーシューセット	1
(2163-0170-01)	PLUNGER ASSY	プランジャーセット	1
(2163-0210-01)	PU HOOKING LEVER SP	P U 係 HOOKING LEVER S P	1
(2163-1470-01)	FUNCTION DIAL	ファンクションダイヤル	1
(2163-1471-01)	FUNCTION DIAL PRESSURE PLATE	ファンクションダイヤル押え板	1
(2163-1472-01)	FUNCTION DIAL CONTACT	ファンクションダイヤル接片	1
(2163-1475-01)	FUNCTION DIAL INDEX PLATE	ファンクションダイヤル文字板	1
(2163-1477-01)	FUNCTION DIAL INDEX TAPE	ファンクションダイヤル文字板テープ	1
(2163-1479-01)	FUNCTION DIAL RUBBER RING	ファンクションダイヤルゴムリング	1
(2162-1487-01)	EXPOSURE MODE CLICK SP	露出モードクリック S P	2
(2163-1612-01)	SHOE HOLDER	シュー取付板	1
(2163-1613-01)	SHOE BASE	シュー敷板	1
(2163-1625-01)	POP-UP DETECT CONTACT	ポップアップ検知接片	1
(2163-1637-01)	SCREW	ねじ	2
(2163-4008-01)	FPC-SHOE	シューフレキ	1
(9384-2190-50)	DOUBLE-FACED TAPE (PER ROLL)	両面テープ	2
(9384-2290-90)	POLYESTER TAPE (PER ROLL/60M) YELLOW	ポリエステルテープ	4
(9747-1730-01)	SCREW	ねじ	1
(9747-1740-07)	SCREW	ねじ	2
(9758-0150-00)	STEEL BALL	スチールボール	2
(9761-2055-01)	SCREW	ねじ	2



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PARTS LIST



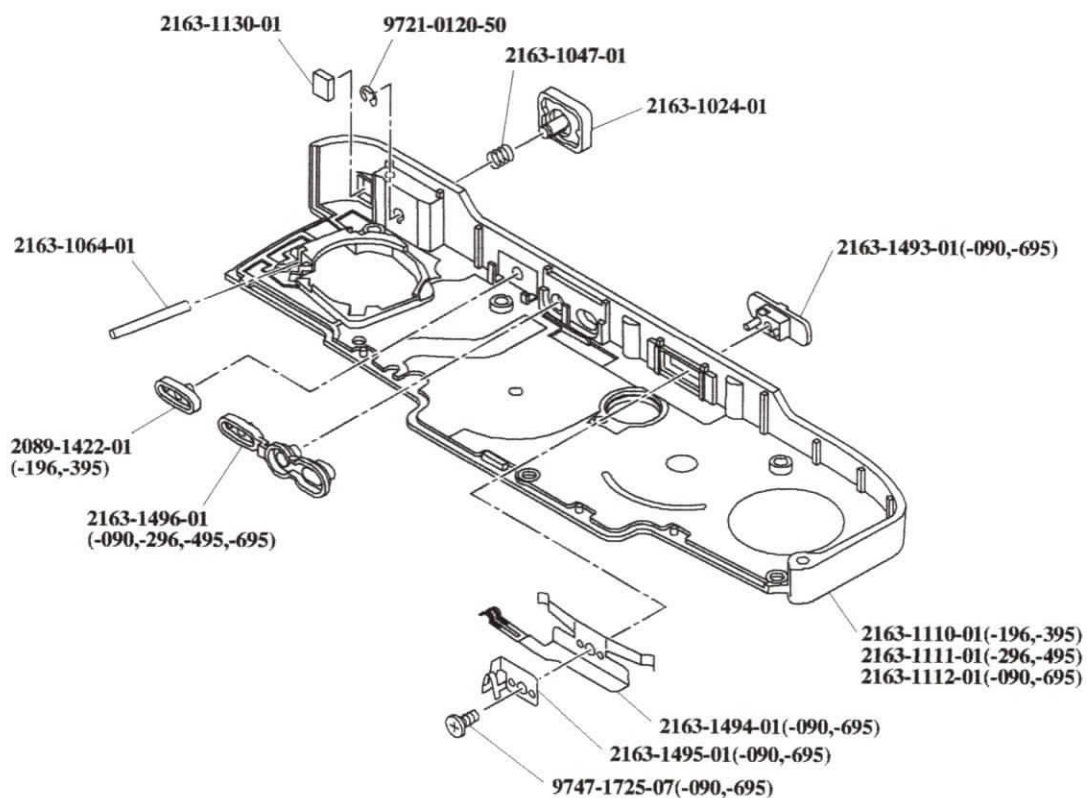
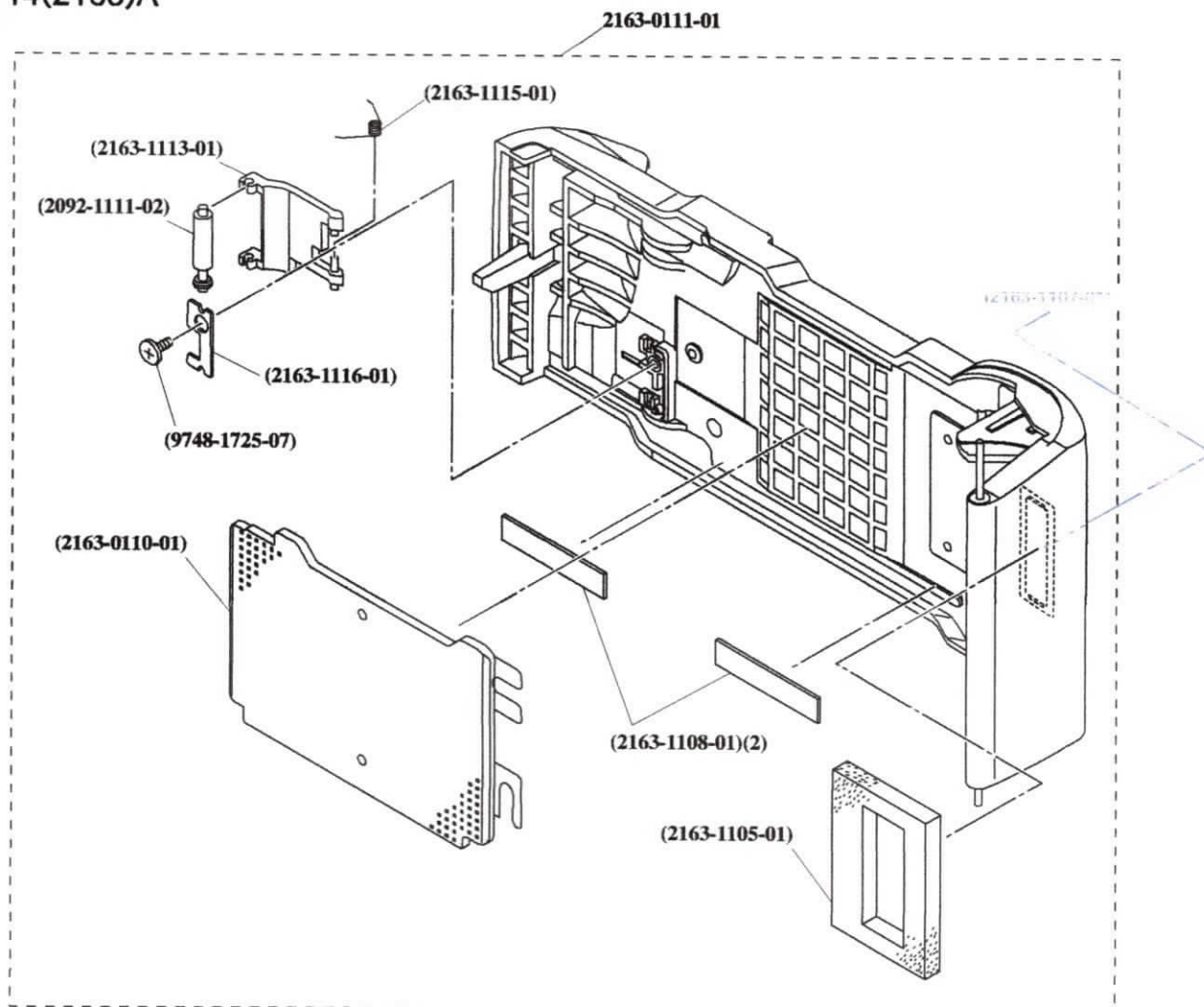
**(2163)A 13**

PART NO	PART NAME		QTY.
2163-0121-01	FRONT COVER ASSY	前カバーセット	1
(2163-0143-01)	AF/M BASEPLATE ASSY	A F / M 台板セット	1
(2163-1427-01)	AF/M CHANGE OVER LEVER	A F / M 切替えレバー	1
(2163-1429-01)	AF/M CHANGE OVER SP	A F / M 切替え S P	1
(2163-1461-01)	DIAL	ダイヤル	1
(2163-1462-01)	DIAL CLICK PLATE	ダイヤルクリック板	1
(2163-1465-01)	DIAL CONTACT-A	ダイヤル接片 A	1
(2163-1466-01)	DIAL DECORATION PLATE	ダイヤル化粧板	1
*(2163-1467-01)	DIAL CLICK SP	ダイヤルクリック S P	2
(2163-1467-04)	DIAL CLICK SP	ダイヤルクリック S P	2 1
(2163-1480-01)	FLASH BUTTON	フラッシュ釦	1
(2163-1481-01)	+/- BUTTON	+ / - 釦	1
(2163-1482-01)	+/- BUTTON SP	+ / - 釦 S P	2
(2163-1485-01)	PREVIEW BUTTON	プレビュー釦	1
(2163-4043-01)	DIAL PCB	ダイヤル基板	1
(2212-9102-01)	SCREW	ねじ	1
(2423-9109-02)	SCREW	ねじ	2
(9747-1740-07)	SCREW	ねじ	1
*(9758-0150-00)	STEEL BALL	スチールボール	2 1
2163-0125-01	GRIP COVER ASSY	グリップカバーセット	1
(2163-1124-01)	GROUND PLATE	ラゲ板	2
(2163-1126-01)	REMOTE TERMINAL WINDOW	リモートターミナル窓	1
(2163-1128-01)	GRIP CONTACT-A	グリップ接片 A	1
(2163-1129-01)	GRIP CONTACT-B	グリップ接片 B	1
(9747-1735-07)	SCREW	ねじ	2



14(2163)A

PARTS LIST





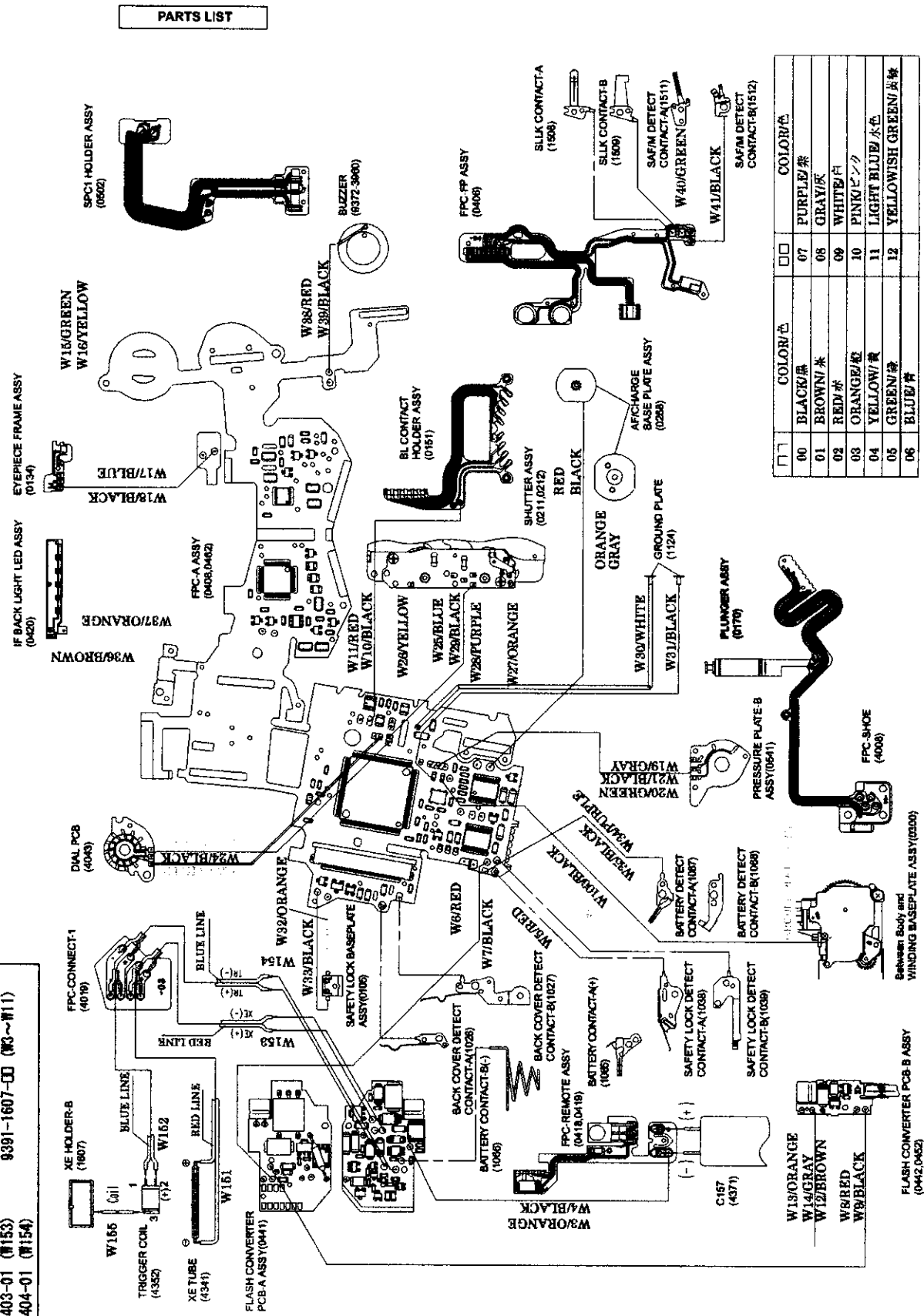
(2163)A 14

PART NO	PART NAME		QTY.
2163-0111-01	BACK COVER ASSY	裏蓋セット	1
(2163-0110-01)	PRESSURE PLATE ASSY	圧着板セット	1
(2163-1105-01)	LIGHT SHIELD SPONGE	パト表示遮光スポンジ	1
(2163-1107-01)	FILM WINDOW	パト表示窓	1
(2163-1108-01)	LIGHT SHIELD TAPE	遮光シート	2
(2092-1111-02)	BACK COVER ROLLER	裏蓋可動ローラー	1
(2163-1113-01)	BACK COVER SEPARATION PLATE	裏蓋可動板	1
(2163-1115-01)	BACK COVER SEPARATION PLATE SP	裏蓋可動板 S P	1
(2163-1116-01)	SHAFT SUPPORT PLATE	軸支持板	1
(9748-1725-07)	SCREW	ねじ	1
2163-1024-01	BACK COVER OPENING BUTTON	裏蓋開閉釦	1
2163-1047-01	BACK COVER OPENING BUTTON SP	裏蓋開閉釦 S P	1
2163-1064-01	BATTERY COVER HINGE AXIS	電池蓋ヒンジ軸	1
2163-1110-01	BOTTOM COVER (-196, -395)	下カバー	} 1
2163-1111-01	BOTTOM COVER (-296, -495)	下カバー	
2163-1112-01	BOTTOM COVER (-090, -695)	下カバー	
2163-1130-01	SAFETY LOCK WINDOW	セーフティロック窓	1
2089-1422-01	REWIND BUTTON (-196, -395)	途中巻戻し釦	1
2163-1493-01	PANORAMA CHANGE OVER LEVER (-090, -695)	パノラマ切替えレバー	1
2163-1494-01	PANORAMA CHANGE OVER CONTACT (-090, -695)	パノラマ切替え接片	1
2163-1495-01	PANORAMA CHANGE OVER SP (-090, -695)	パノラマ切替え S P	1
2163-1496-01	DATE BUTTON (-090, -296, -495, -695)	デート釦	1
9721-0120-50	E-RING	E リング	1
9747-1725-07	SCREW (-090, -695)	ねじ	1

PARTS LIST

■ WIRING DIAGRAM 1(2163)

- LEAD WIRES LIST
- | | |
|---------------------|-----------------------|
| 2163-4401-01 (W151) | 2163-4405-01 (W155) |
| 2163-4402-01 (W152) | 9391-0807-□□ (OTHER) |
| 2163-4403-01 (W153) | 9391-1607-□□ (WG~W11) |
| 2163-4404-01 (W154) | |



PARTS LIST

□	□	COLOR/色
00	BLACK/黒	07 PURPLE/紫
01	BROWN/茶	08 GRAY/灰
02	RED/赤	09 WHITE/白
03	ORANGE/橙	10 PINK/ピンク
04	YELLOW/黄	11 LIGHT BLUE/水色
05	GREEN/緑	12 YELLOWISH GREEN/黄緑
06	BLUE/青	



(2163)F 16

The parts list (pg.16 - 20) contains only the exclusive parts for 2163-091 and -690.

For parts not listed herein, refer to the parts list (pg.1 - 14) for 2163-090 and -695.

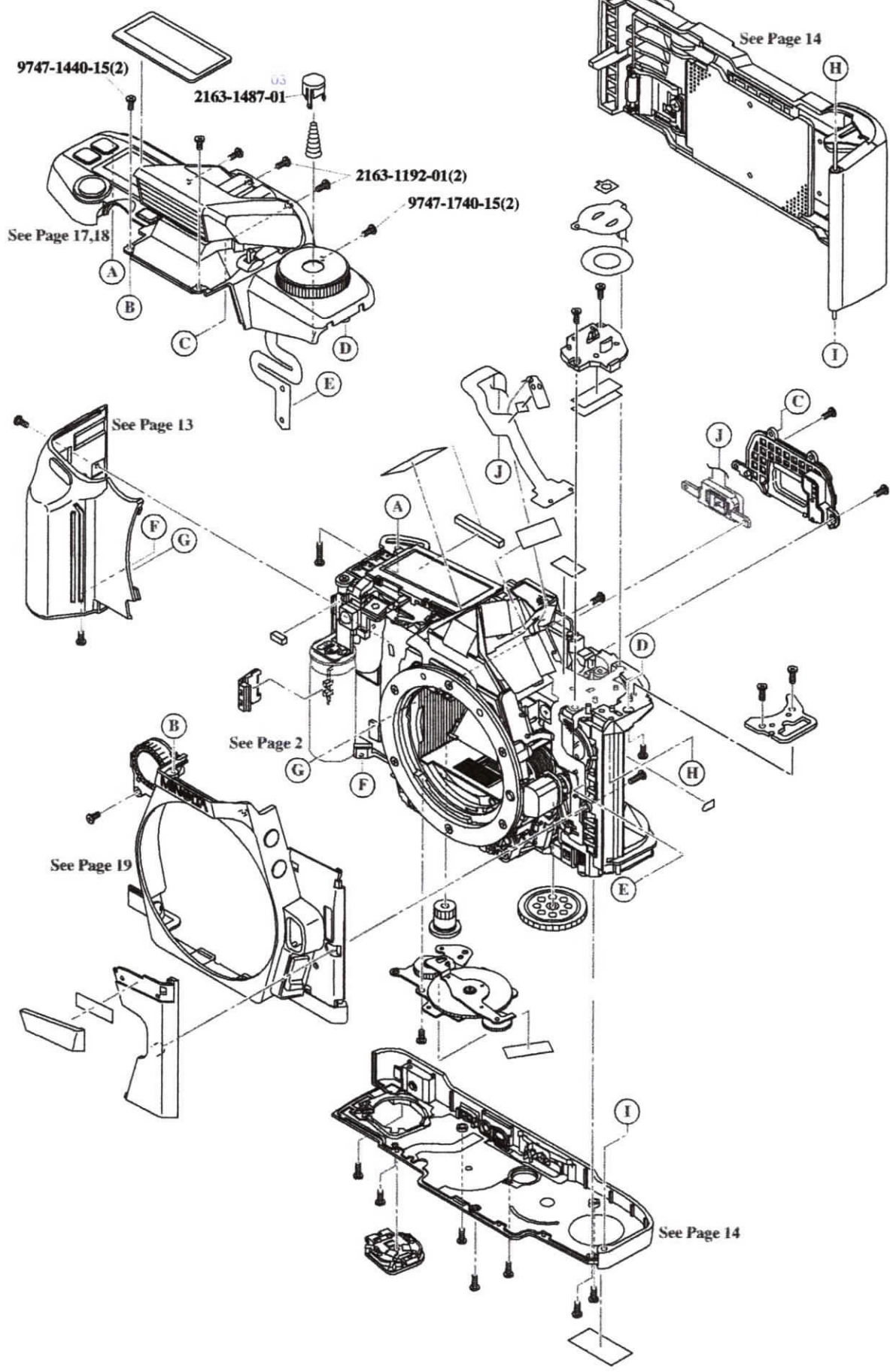
パーツリストP. 16 - P. 20は (2163-091, -690)の専用部品を記載しています。

2163-091の専用部品以外は2163-090と、2163-690の専用部品以外は2163-695と共通です。

PAGE	PART NO	PART NAME		QTY.
20	2163-0122-01	FRONT COVER ASSY (-091, -690)	前カバーセット	1
20	(2163-1469-01)	DIAL DECORATION PLATE (-091, -690)	ダイヤル化粧板	1
18, 19	2163-0136-01	TOP COVER ASSY (-091, -690)	上カバーセット	1
18	(2163-0167-01)	FLASH ASSY (-091, -690)	フラッシュセット	1
18	[2163-1132-01]	FLASH TOP COVER (-091, -690)	フラッシュ上カバー	1
18	(2163-1415-01)	P RESET BUTTON (-091, -690)	P 釦	1
18	(2163-1416-01)	SELECT BUTTON (-091, -690)	セレクト釦	1
18	(2163-1417-01)	DRIVE MODE BUTTON (-091, -690)	ドライブモード釦	1
18	(2163-1447-01)	MAIN SWITCH LEVER (-091, -690)	メインスイッチレバー	1
19	(2163-1486-01)	FUNCTION DIAL INDEX PLATE (-091, -690)	ファンクションダイヤル文字板	1
17	2163-1192-01	SCREW (-091, -690)	ねじ	2
17	*2163-1487-01	FUNCTION BUTTON (-091, -690)	ファンクション釦	1
17	2163-1487-03	FUNCTION BUTTON (-091, -690)	ファンクション釦	1
17	9747-1440-15	SCREW (-091, -690)	ねじ	2
17	9747-1740-15	SCREW (-091, -690)	ねじ	2



PARTS LIST



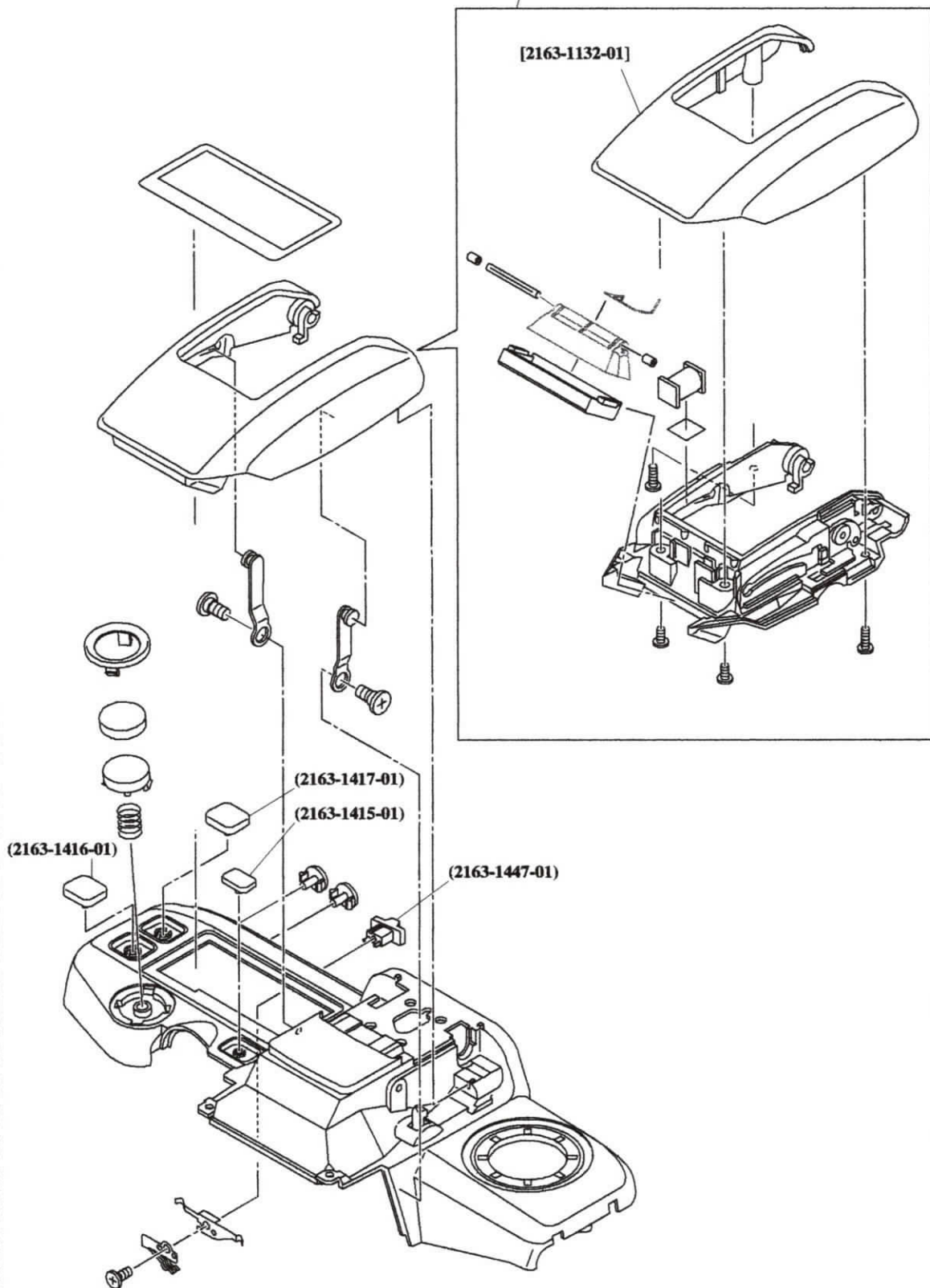


2163-0136-01

(2163-0167-01)

[2163-1132-01]

PARTS LIST

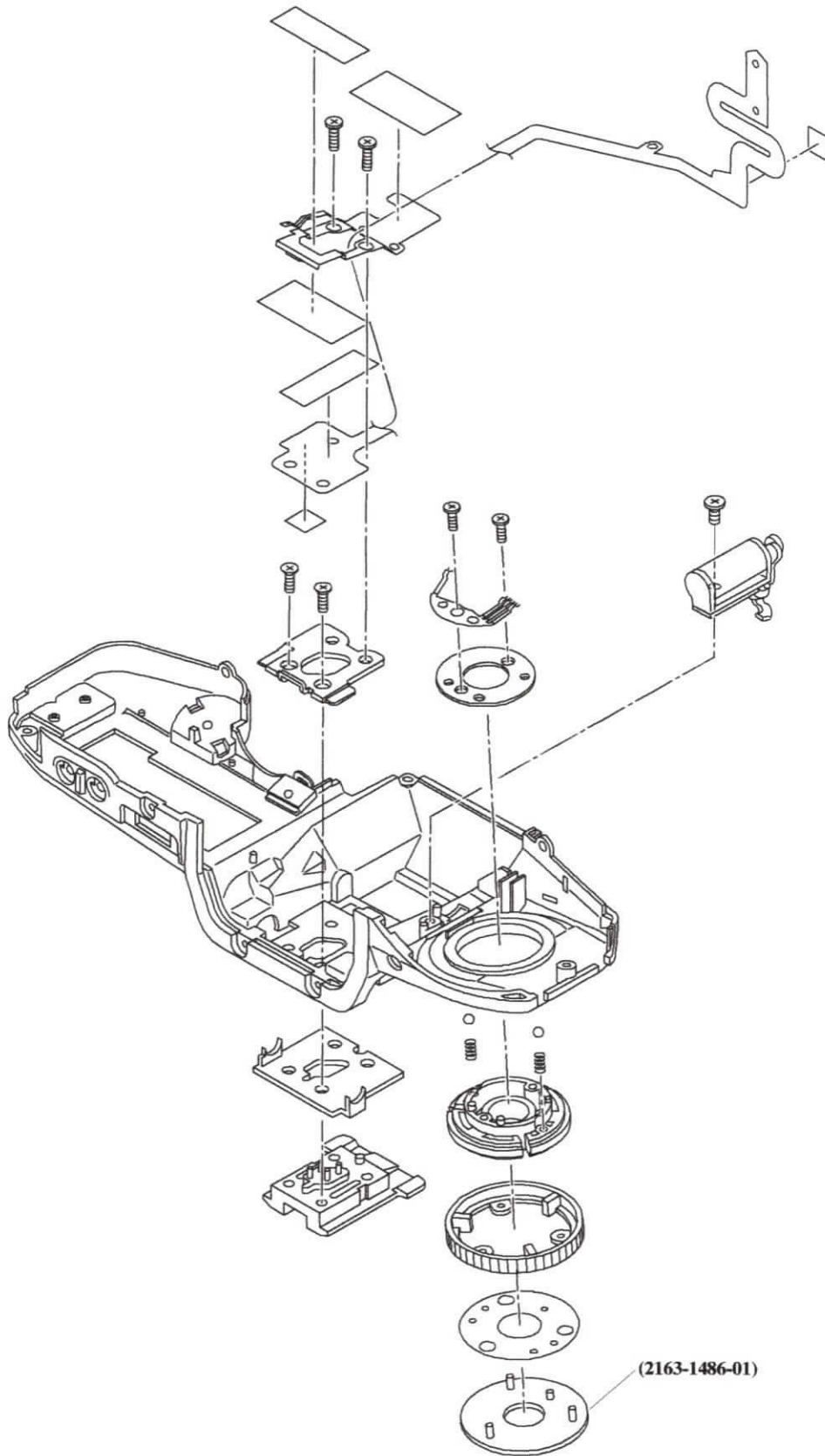




19(2163)C

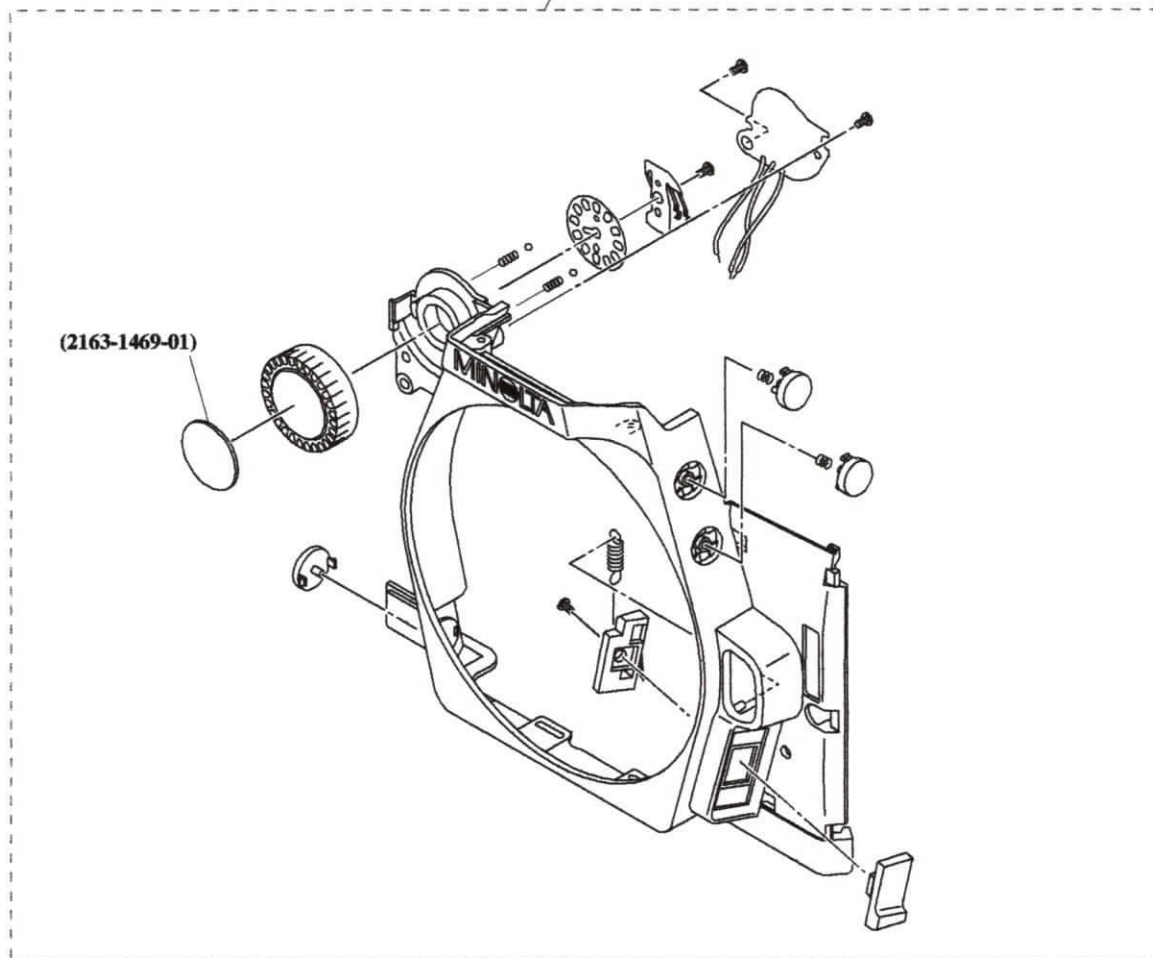
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PARTS LIST

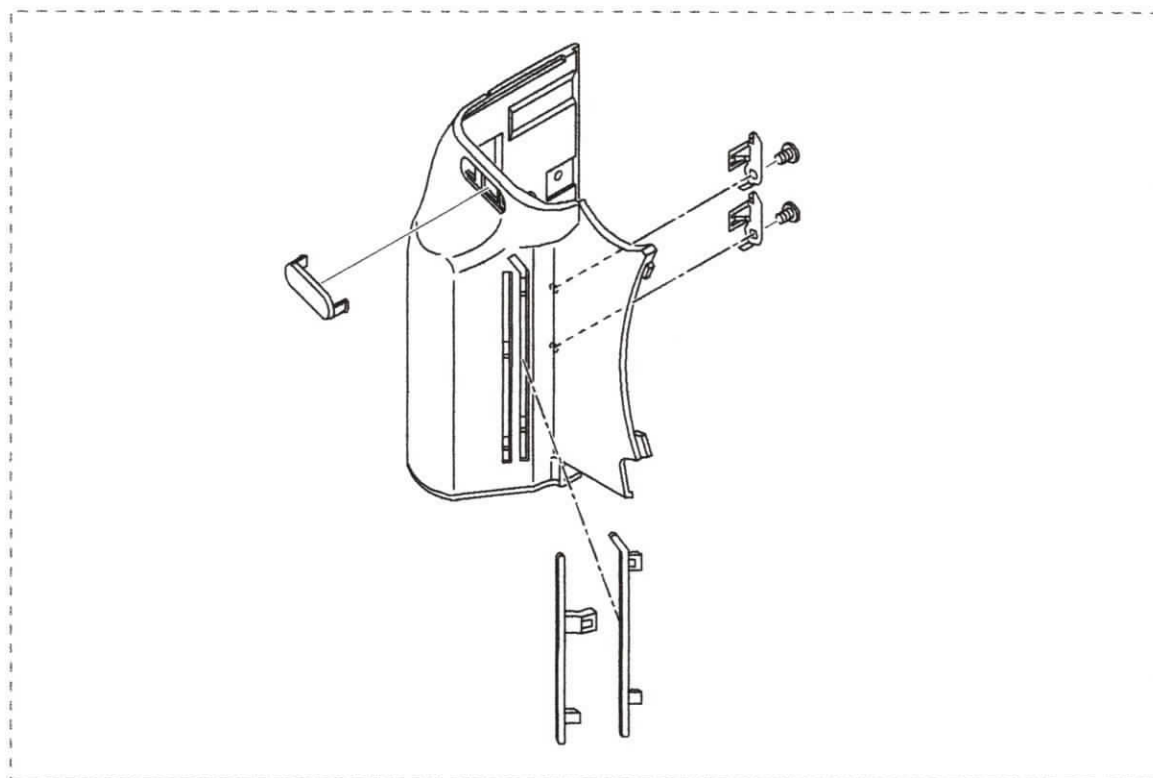




2163-0122-01



PARTS LIST



(2163)A 1

REF No. 管理No.	QS FA 2163-P001
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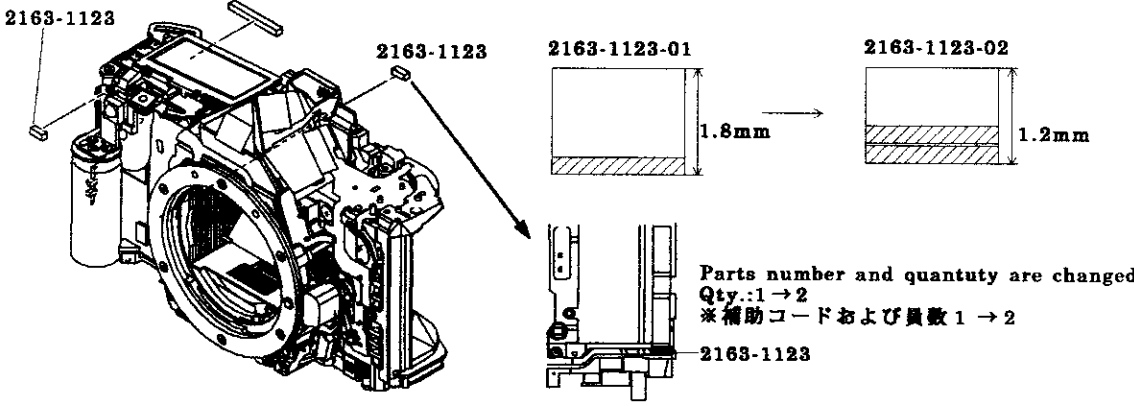
PARTS MODIFICATION LIST

Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	October 25. 2001

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 1

2163-761

REASON 変更理由	裏蓋閉時の感触改善 To improve the touch for closing back cover		COMMON MODEL 共通機種	2163 Series	
Previous	2163-1123-01	→○	×←	2163-1123-02	New
 2163-1123 2163-1123 2163-1123-01 1.8mm 2163-1123-02 1.2mm Parts number and quantity are changed. Qty.: 1 → 2 ※補助コードおよび員数 1 → 2 2163-1123					

REF No. 管理No.	QS FA 2163-P002
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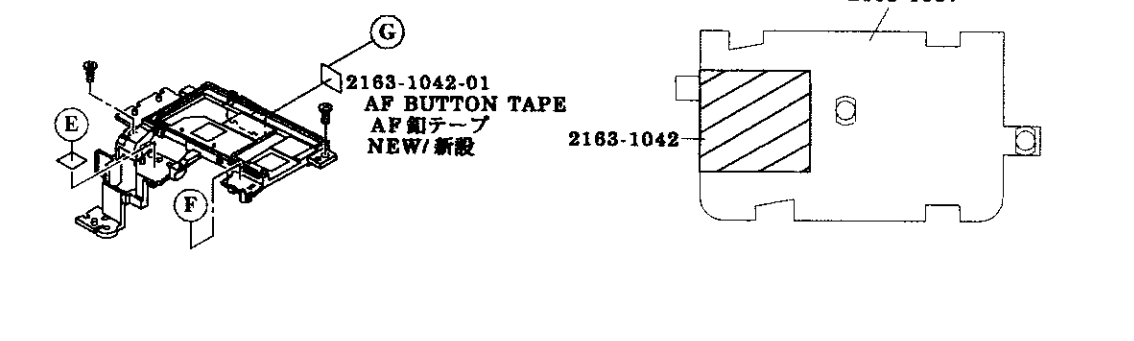
PARTS MODIFICATION LIST

Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	October 25. 2001

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 2

2163-777

REASON 変更理由	AF釦のストローク改善 To ensure spot AF button operation.		COMMON MODEL 共通機種	2163 Series	
Previous	—	—	—	2163-1042-01	New
 2163-1042-01 AF BUTTON TAPE AF釦テープ NEW/新設 2163-1042 2163-1007					

■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

PML

(2163)A 2

REF No. 管理No.	QS FA 2163-P003
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PARTS MODIFICATION LIST

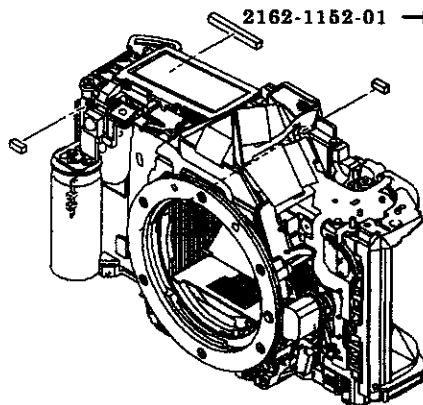
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	October 25, 2001

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 1

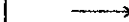
2163-783

REASON 変更理由	裏蓋閉時の感触改善 To improve operation of closing back cover.			COMMON MODEL 共通機種	2163 Series
Previous	2162-1152-01	—	—	—	New
Previous	—	—	—	2163-1152-01	New



2162-1152-01 → 2163-1152-01
BACK TERMINAL DUSTPROOF SHEET
バック端子防塵シート
NEW/新設

2162-1152-01



2163-1152-01



0.6 mm

PML

■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P004
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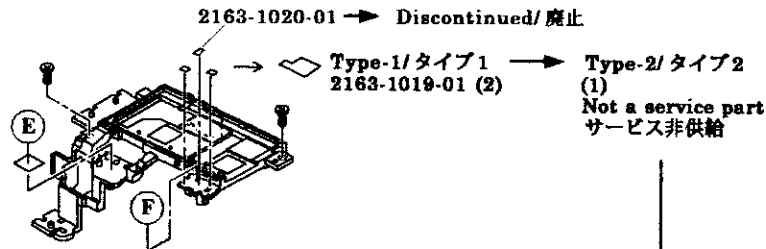
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	October 25, 2001

Approved by 承認	Verified by 審査	Written by 作成
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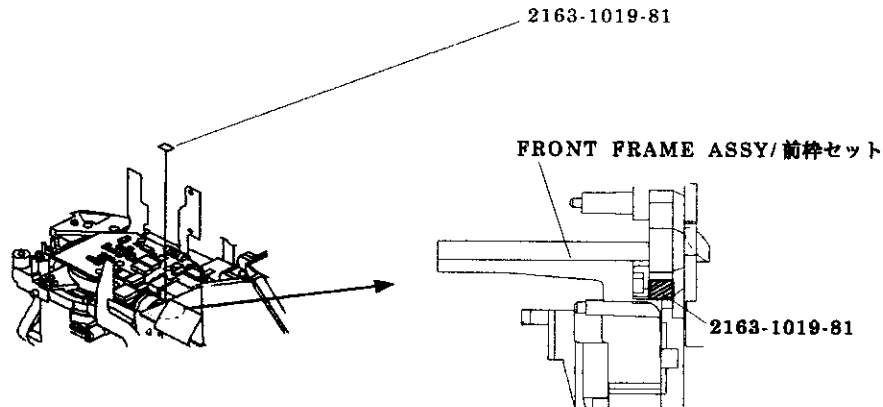
Parts List P. 2

2163-765, 786

REASON 変更理由	P釦のストローク改善 To ensure program-reset button operation.			COMMON MODEL 共通機種	2163 Series
Previous	2163-1019-01	→×	×←	2163-1019-81	New
Previous	2163-1020-01	—	—	—	New



The position for the sheet is changed.
※貼付け位置変更



■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

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REF No. 管理No.	QS FA 2163-P005
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PARTS MODIFICATION LIST

Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	October 25, 2001

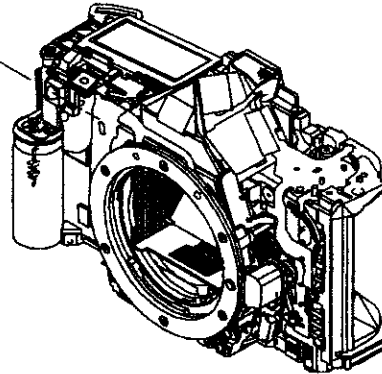
Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 1

2163-795

REASON 変更理由	コストダウン To cut cost	COMMON MODEL 共通機種	2163 Series
Previous	2163-1109-01		New

Discontinued/廃止 ← 2163-1109-01



REF No. 管理No.	QS FA 2163-P006
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PARTS MODIFICATION LIST

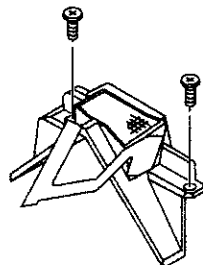
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	October 25, 2001

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 6

2163-816

REASON 変更理由	上カバーとの接触防止 To prevent contact between top cover and screw.	COMMON MODEL 共通機種	2163 Series
Previous	9747-1745-07		New
Previous		2218-9106-01	New



9747-1745-07 (2) → 2218-9106-01 (2)

PML

■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

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PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P007
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Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	October 25, 2001

Approved by 承認	Verified by 審査	Written by 作成
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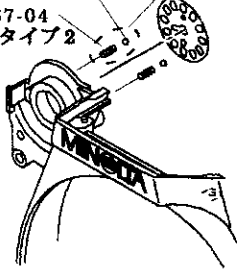
Parts List P. 6

855

REASON 変更理由	ダイヤルの作動(重い)の改善 To improve operation of the control dial.			COMMON MODEL 共通機種	2163 Series
Previous	2163-1467-01	→○	×←	2163-1467-04	New
Previous	9758-0150-00	—	—	9758-0150-00	New

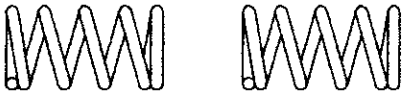
9758-0150-00 (2) → (1)

2163-1467-04
Type-2/タイプ2



Always install the part from this side first.
■必ず、こちら側に挿入すること。

2163-1467-01 → 2163-1467-04



Diameter of the material:
0.18mm
Qty.: 2
線径: 0.18mm
員数: 2

Type-1/タイプ1
Diameter of the material:
0.16mm
Qty.: 2
Not a service part
線径: 0.16mm
員数: 2
サービス非供給

Type-2/タイプ2
Diameter of the material:
0.2mm
Qty.: 1
線径: 0.2mm
員数: 1

REF No. 管理No.	QS FA 2163-P008
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PARTS MODIFICATION LIST

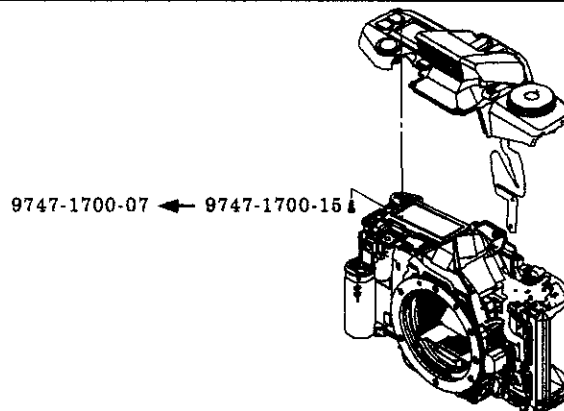
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	October 25, 2001

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 1

2163-844

REASON 変更理由	コストダウン To cut cost			COMMON MODEL 共通機種	2163 Series
Previous	9747-1700-15	—	—	—	New
Previous	—	—	—	9747-1700-07	New



■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

PML

PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P009
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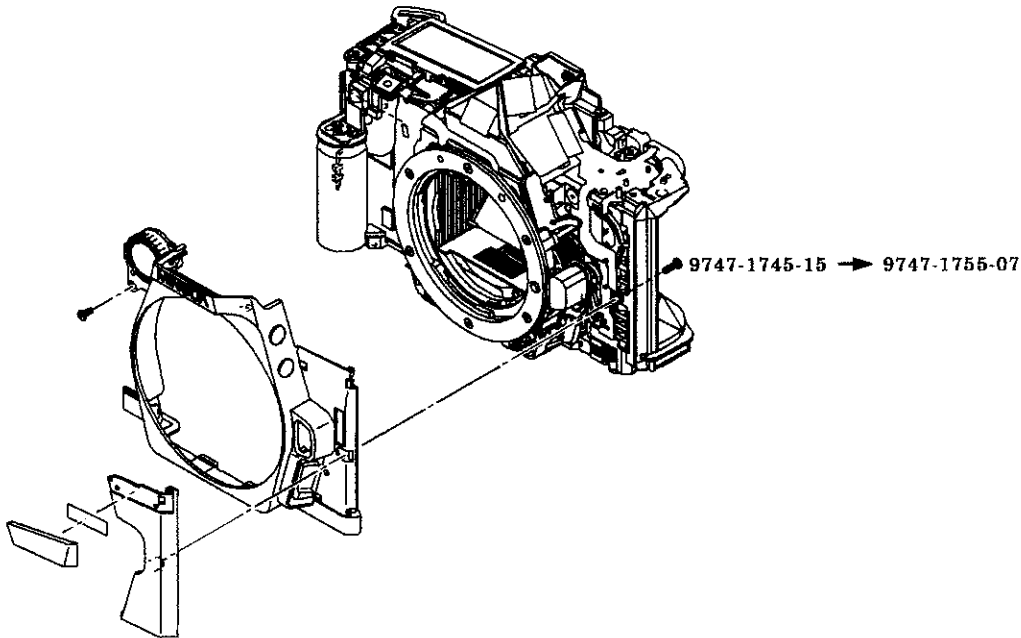
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	October 25, 2001

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 1

2163-854

REASON 変更理由	ネジの緩み防止 To affix the front side cover firmly.	COMMON MODEL 共通機種	2163 Series
Previous	9747-1745-15		New
Previous		9747-1755-07	New



PML

■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

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PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P010
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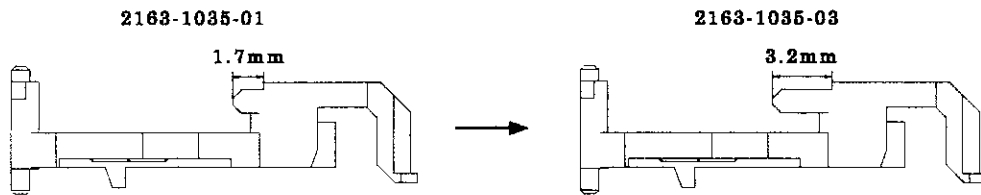
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	November 01. 2001

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 10

2163-812

REASON 変更理由	セーフティロック検知接片の接触安定化 For smoother safety lock detect contact operation.			COMMON MODEL 共通機種	2163 Series
Previous	2163-1035-01	→○	×←	2163-1035-03	New



REF No. 管理No.	QS FA 2163-P011
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PARTS MODIFICATION LIST

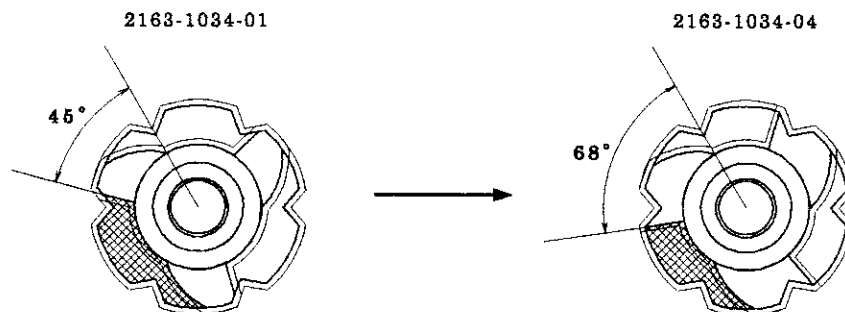
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	November 01. 2001

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 10

2163-814

REASON 変更理由	セーフティロック機能せすの改善 To improve safety lock operation.			COMMON MODEL 共通機種	2163 Series
Previous	2163-1034-01	→○	×←	2163-1034-04	New



■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

PML

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PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P012
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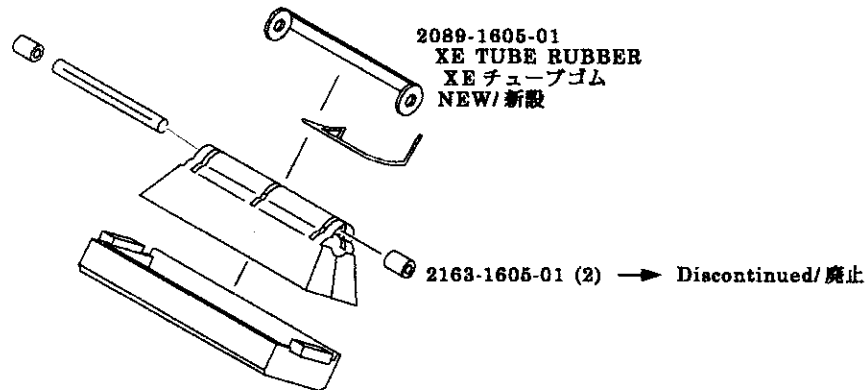
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	November 01. 2001

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 11

2163-832

REASON 変更理由	XEチューブのスパーク防止 To prevent the xe-tube sparking.			COMMON MODEL 共通機種	2163 Series
Previous	2163-1605-01	-----	-----	-----	New
Previous	-----	-----	-----	2089-1605-01	New



PML

■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

REF No. 管理No.	QS FA 2163-P013
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PARTS MODIFICATION LIST

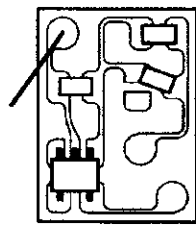
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	November 01, 2001

Approved by 承認	Verified by 審査	Written by 作成
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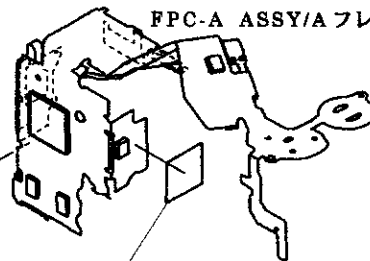
Parts List P. 2, 15

2163-848

REASON 変更理由	電池装着でEEPROMデータ変化に対する改善 To prevent writing in the wrong data to EEPROM while attaching batteries.	COMMON MODEL 共通機種	2163-090, -296, -495, -695
Previous		2163-0440-01	New
Previous		(9391-0807-06)	New
Previous		9391-0807-03	New
Previous		9384-2290-90	New



2163-0440-01
SUPPORT PCB-1 ASSY
補助基板-1セット
NEW/新設



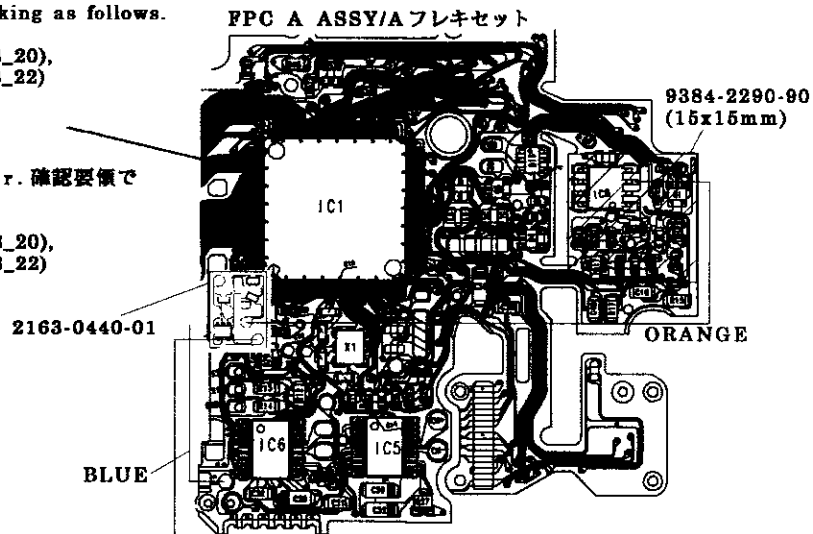
9384-2290-90
(15x15mm)
NEW/追加

Flash memory type
M30220FCRP (Ver. 03_22)
Refer to IC-1 version checking as follows.

Mask type
M30220MA-110RP (Ver. 03_20),
M30220MA-112RP (Ver. 03_22)

フラッシュ版
M30220FCRP (Ver. 03_22)
※フラッシュ版は下記の Ver. 確認要領で
Ver.を確認すること。

MASK 版
M30220MA-110RP (Ver. 03_20),
M30220MA-112RP (Ver. 03_22)



W35/BLACK
Solder the lead wire W35 to designated position.
■半田位置変更

Will add this part for IC-1 ver. 03_22 or earlier.

While all displays on is selected, pressing the spot-AE lock button shows the IC-1 version in the data panel.
(Refer to pg.77 of Repair Guide.)

・IC-1のVer. (Ver. 03_20およびVer. 03_22) に使用すること。
■Ver.確認要領: LCD全点灯(修理編P.77参照)より、SPOT釦押し込みでVer.表示を行う。

■本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P014
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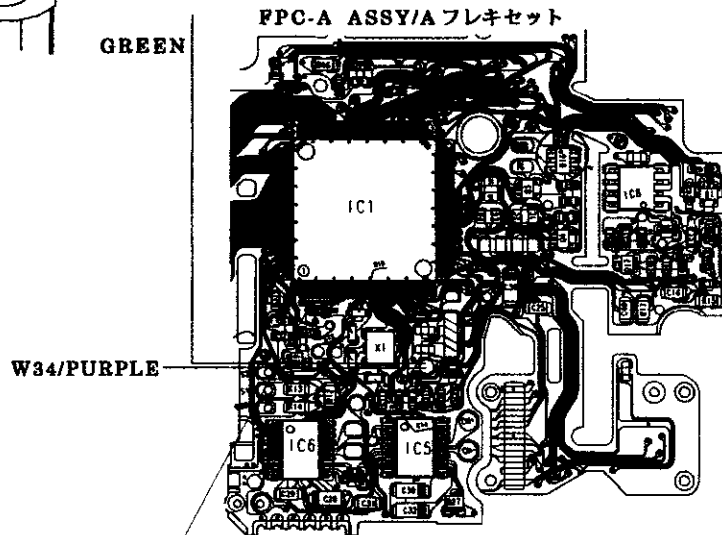
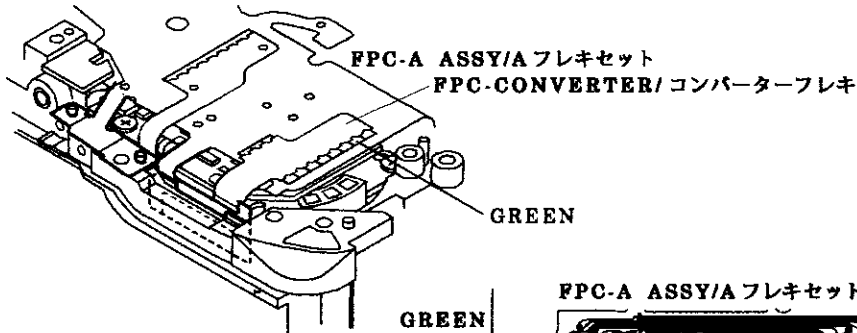
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	November 01, 2001

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 15

2163-848

REASON 変更理由	電池装着でEEPROMデータ変化に対する改善 To prevent writing in the wrong data to EEPROM while attaching batteries.	COMMON MODEL 共通機種	2163-196, -395
Previous		9391-0807-05	New



Flash memory type
M30220FCRP (Ver. 03_22)
Refer to IC-1 version checking as follows.
Mask type
M30220MA-110RP (Ver. 03_20), M30220MA-112RP (Ver. 03_22)

フラッシュ版
M30220FCRP (Ver. 03_22)
※フラッシュ版は下記の Ver. 確認要領で Ver. を確認すること。
MASK 版
M30220MA-110RP (Ver. 03_20), M30220MA-112RP (Ver. 03_22)

Will add this part for IC-1 ver. 03_22 or earlier.

While all displays on is selected, pressing the spot-AE lock button shows the IC-1 version in the data panel.

(Refer to pg.77 of Repair Guide.)

・IC-1のVer. (Ver. 03_20およびVer. 03_22) に使用すること。

■Ver.確認要領：LCD全点灯(修理編P.77参照)より、SPOT釦押し込みでVer.表示を行う。

■本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

REF No. 管理No.	QS FA 2163-P015
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PARTS MODIFICATION LIST

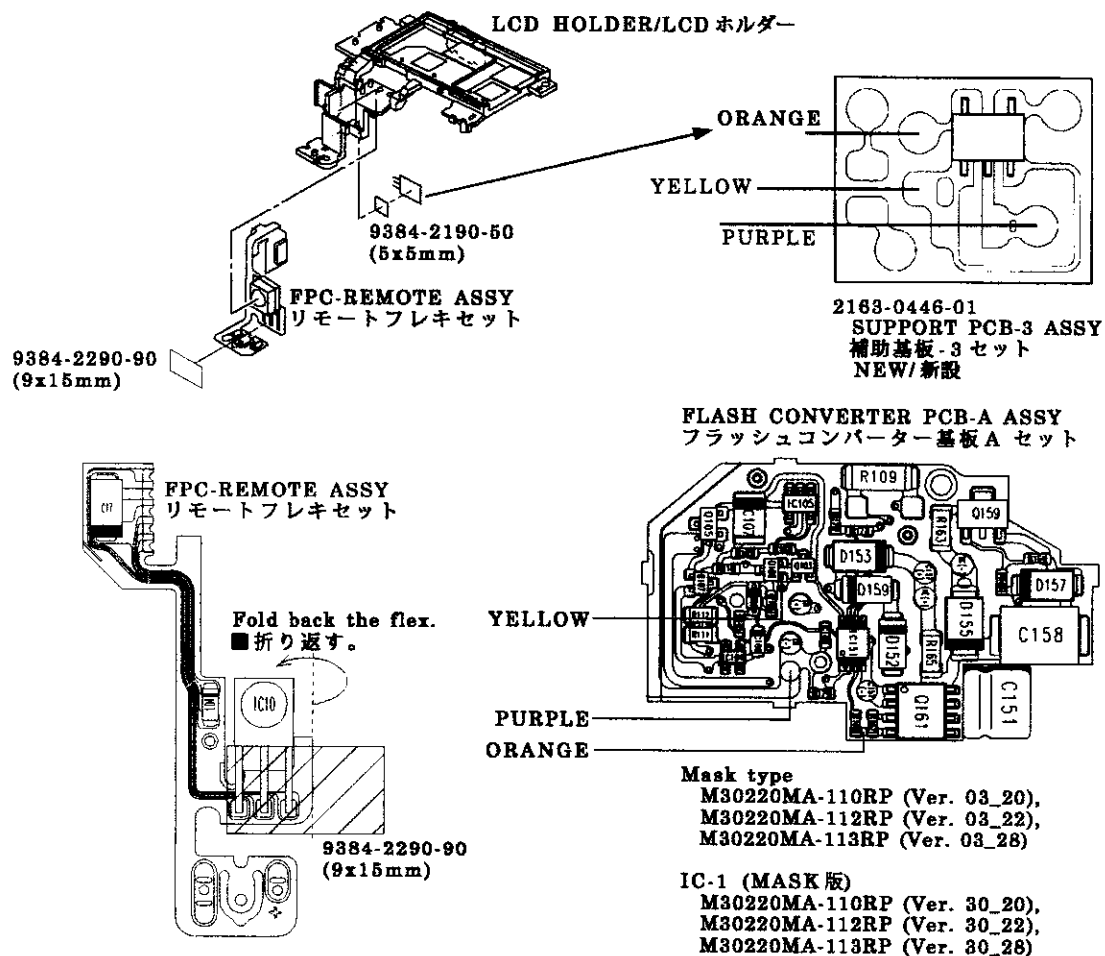
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	November 01. 2001

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 2, 15

2163-861

REASON 変更理由	電池装着で内蔵フラッシュがチョビ発光に対する改善 To prevent firing the built-in flash with minimum output while attaching batteries.	COMMON MODEL 共通機種	2163 Series
Previous		2163-0446-01	New
Previous		(9391-0807-03)	New
Previous		(9391-0807-04)	New
Previous		(9391-0807-07)	New
Previous		9384-2190-50	New
Previous		9384-2290-90	New



Will add this part for IC-1 (ver. 03_28 or earlier) of mask type.

While all displays on is selected, pressing the spot-AE lock button shows the IC-1 version in the data panel. (Refer to pg.77 of Repair Guide.)

・IC-1がMASK版のみでVer. (Ver. 03_20、Ver. 03_22およびVer. 03_28) に使用すること。

■Ver.確認要領：LCD全点灯(修理編P.77参照)より、SPOT釦押し込みでVer.表示を行う。

■本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P016
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Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	November 01, 2001

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 2, 15

2163-862

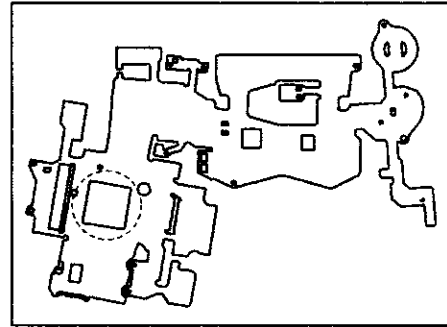
REASON 変更理由	ROMバージョンアップ ROM version update	COMMON MODEL 共通機種	2163-090, -296, -495, -695
Previous	2163-0462-01	→×	×←
		2163-0462-02	New

2163-0462-01
Flash memory/フラッシュ版
M30220FCRP (Ver. 03_22)
Mask type/MASK版
M30220MA-110RP (Ver. 03_20)
M30220MA-112RP (Ver. 03_22)

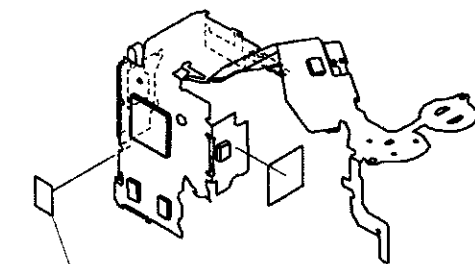


2163-0462-02
Flash memory/フラッシュ版
M30220FCRP (Ver. 03_26) or later/以降
Mask type/MASK版
M30220MA-113RP (Ver. 03_28) or later/以降

2163-0462

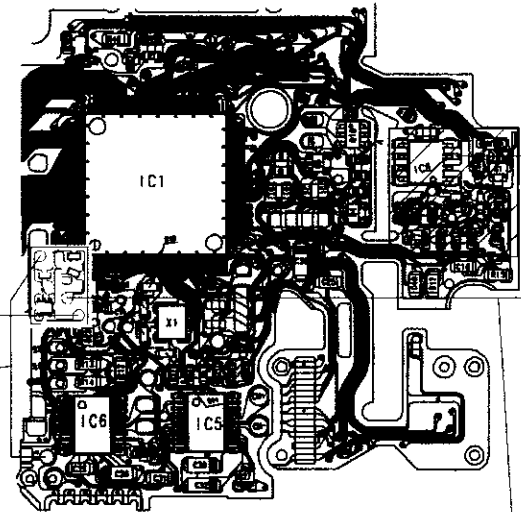


Previous	2163-0440-01	→×	×←		New
Previous	(9391-0807-06)	→×	×←		New
Previous	9391-0807-03	→×	×←		New



2163-0440-01 → Discontinued/廃止

BLUE
↓
Discontinued/廃止



W35/BLACK
Solder the lead wire W35 to original position.
※半田位置を戻す。

ORANGE
↓
Discontinued/廃止

While all displays on is selected, pressing the spot-AE lock button shows the IC-1 version in the data panel.
(Refer to pg.77 of Repair Guide.)

■Ver.確認要領: LCD全点灯(修理編P.77参照)より、SPOT釦押し込みでVer.表示を行う。

Interchangeability as a set/セットでの互換性	Previous	→○	○←	New
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■本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P017
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Division 主管部署	Camera Service Division カメラサービス部
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Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 2, 15

2163-862

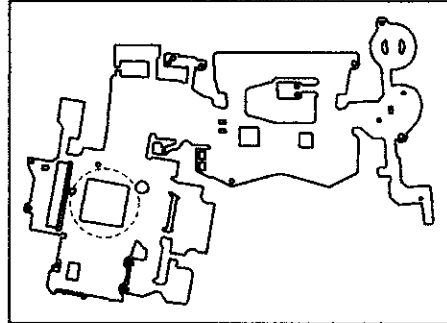
REASON 変更理由	ROMバージョンアップ ROM version update	COMMON MODEL 共通機種	2163-196, -395
Previous	2163-0408-01	→×	×←

2163-0408-01
Flash memory/フラッシュ版
M30220FCRP (Ver. 03_22)
Mask type/MASK版
M30220MA-110RP (Ver. 03_20)
M30220MA-112RP (Ver. 03_22)

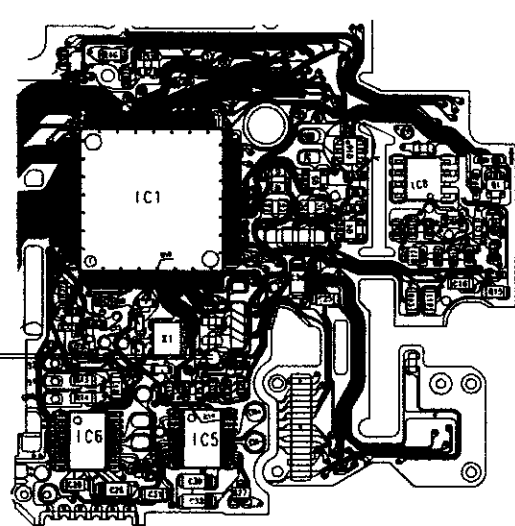
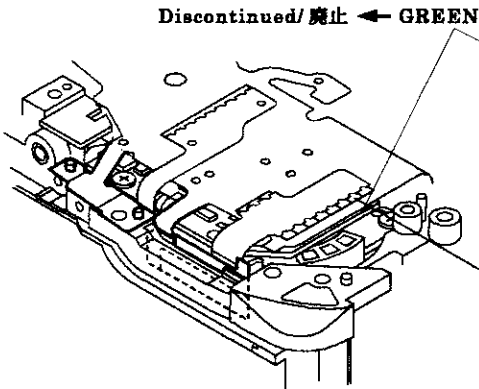
↓

2163-0408-02
Flash memory/フラッシュ版
M30220FCRP (Ver. 03_26) or later/以降
Mask type/MASK版
M30220MA-113RP (Ver. 03_28) or later/以降

2163-0408



Previous	9391-0807-05	→×	×←	—	New
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While all displays on is selected, pressing the spot-AE lock button shows the IC-1 version in the data panel.
(Refer to pg.77 of Repair Guide.)

■Ver.確認要領：LCD全点灯(修理編P.77参照)より、SPOT釦押し込みでVer.表示を行う。

Interchangeability as a set/セットでの互換性	Previous	→○	○←	New
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■本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

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PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P018
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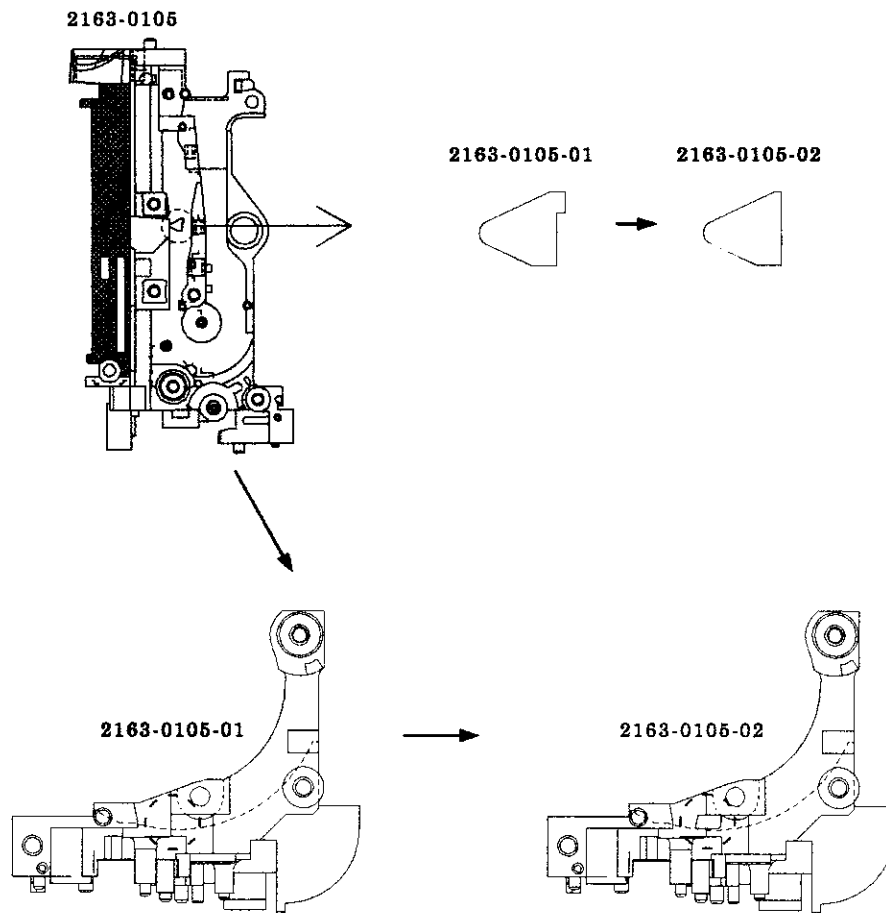
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	November 15, 2001

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 10

2163-824

REASON 変更理由	セーフティロック検知接片の接触安定化 For smoother safety lock detect contact operation.			COMMON MODEL 共通機種	2163 Series
Previous	2163-0105-01	→○	×←	2163-0105-02	New



■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

(2163)A 15

REF No. 管理No.	QS FA 2163-P019
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PARTS MODIFICATION LIST

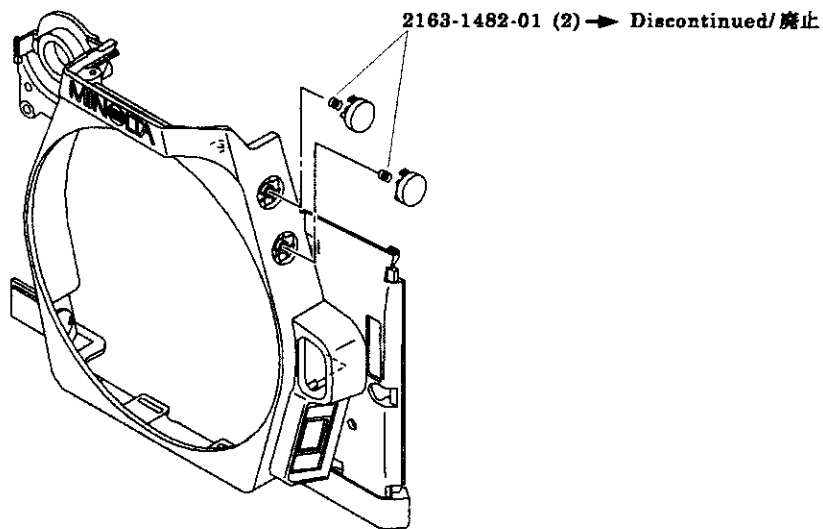
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	November 15, 2001

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 13

2163-900

REASON 変更理由	コストダウン To cut cost	COMMON MODEL 共通機種	2163 Series
Previous	2163-1482-01	—	New



■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

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PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P020
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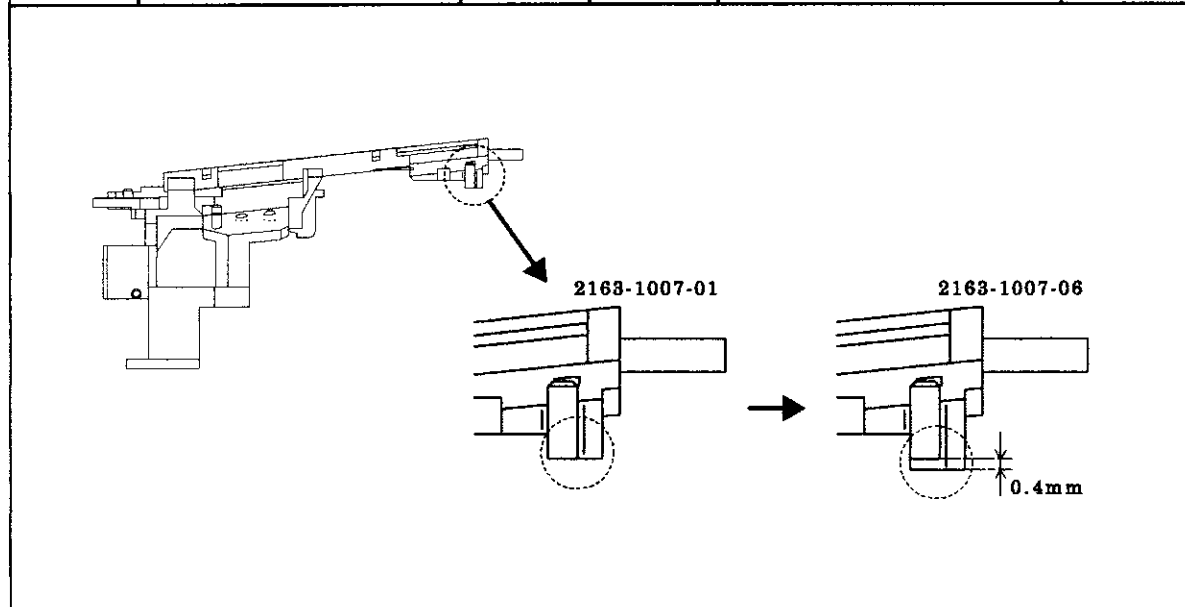
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	February 28. 2002

Approved by 承認	Verified by 審査	Written by 作成
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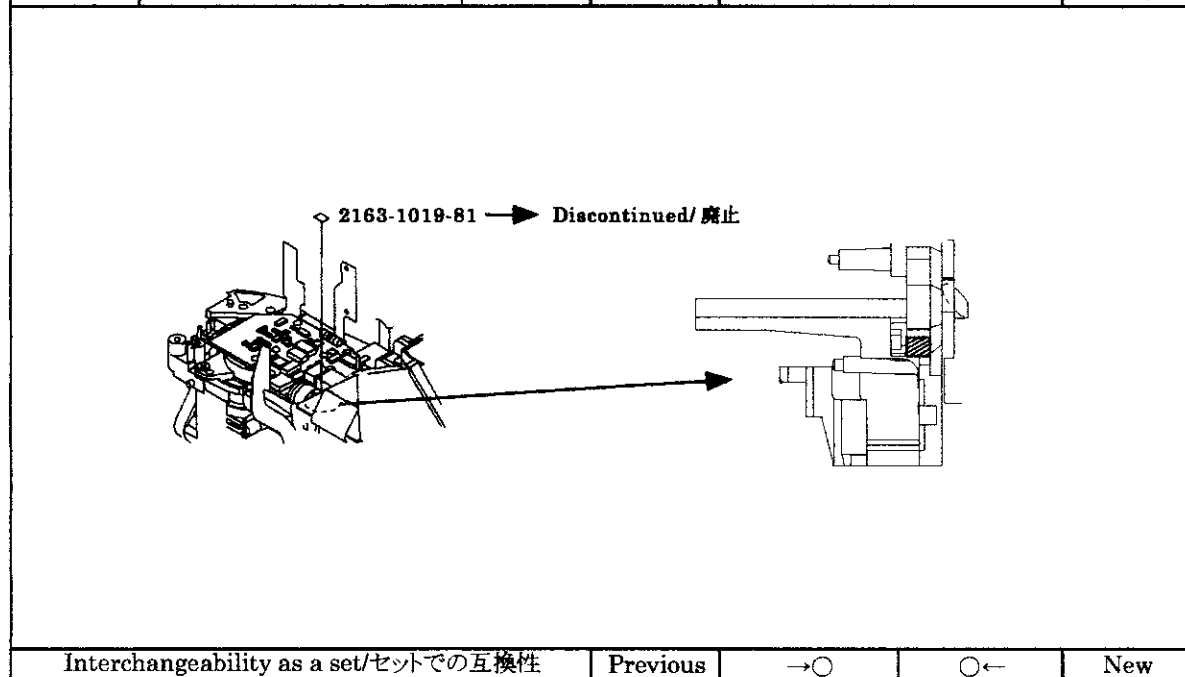
Parts List P. 2

2163-794

REASON 変更理由	生産都合 For efficient production	COMMON MODEL 共通機種	2163-Series
Previous	2163-1007-01	→×	×←



Previous	2163-1019-81	→×	×←	—————	New
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Interchangeability as a set/セットでの互換性	Previous	→○	○←	New
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■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

PML

(2163)A 17

REF No. 管理No.	QS FA 2163-P021
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PARTS MODIFICATION LIST

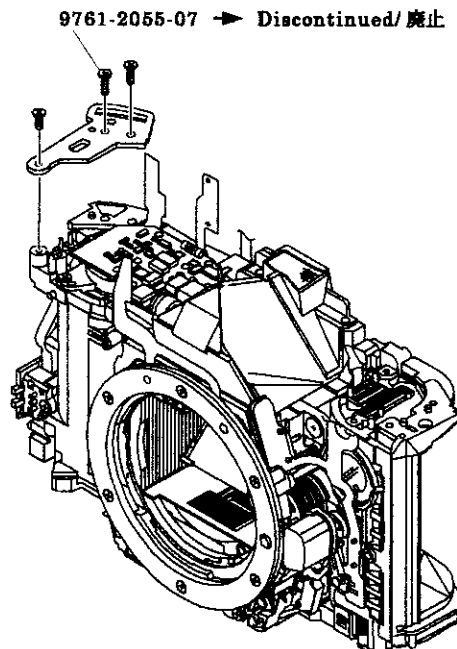
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	March 22, 2002

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 2

仮-795

REASON 変更理由	コストダウン To cut cost	COMMON MODEL 共通機種	2163 Series
Previous	9761-2055-07		New



PML

■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

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PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P022
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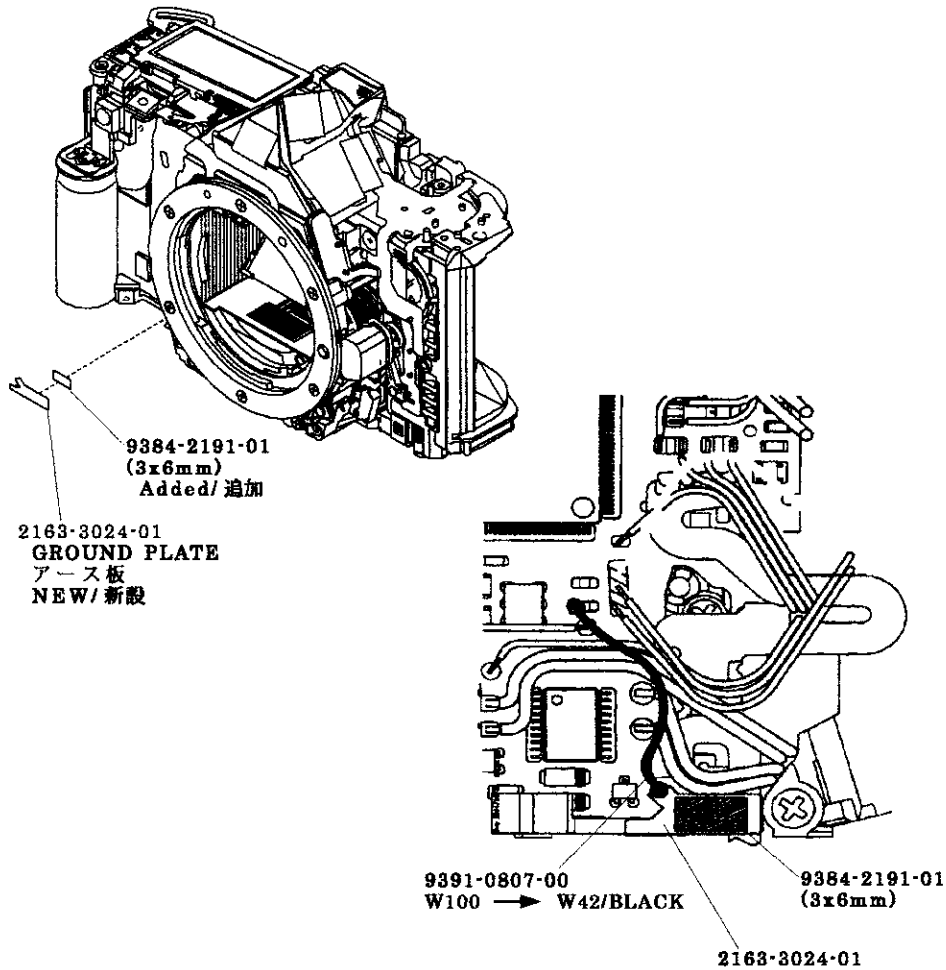
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	March 28, 2002

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 1, 15

2163-867

REASON 変更理由	静電気対策 To prevent static electricity	COMMON MODEL 共通機種	2163 Series
Previous	_____	_____	2163-3024-01 New
Previous	_____	_____	9384-2191-01 New
Previous	9391-0807-00	_____	9391-0807-00 New



Remove the lead wire W100 between Body and WINDING BASEPLATE ASSY, and solder it to the illustrated position as lead wire W42.

W100を廃止し、W42とし図のように半田付けする。

■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

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PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P023
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Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	June 20, 2002

Approved by 承認	Verified by 審査	Written by 作成
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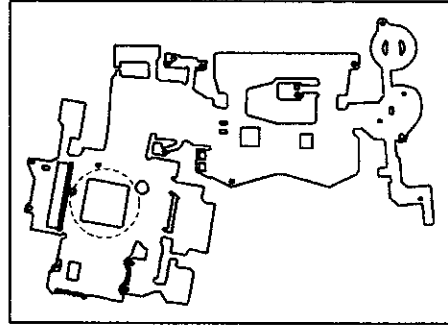
Parts List P. 2, 15

2163-880

REASON 変更理由	ROMバージョンアップ ROM version update	COMMON MODEL 共通機種	2163-Series
Previous	2163-0408-02 → × × ←	2163-0408-03	New
Previous	2163-0462-02 → × × ←	2163-0462-03	New

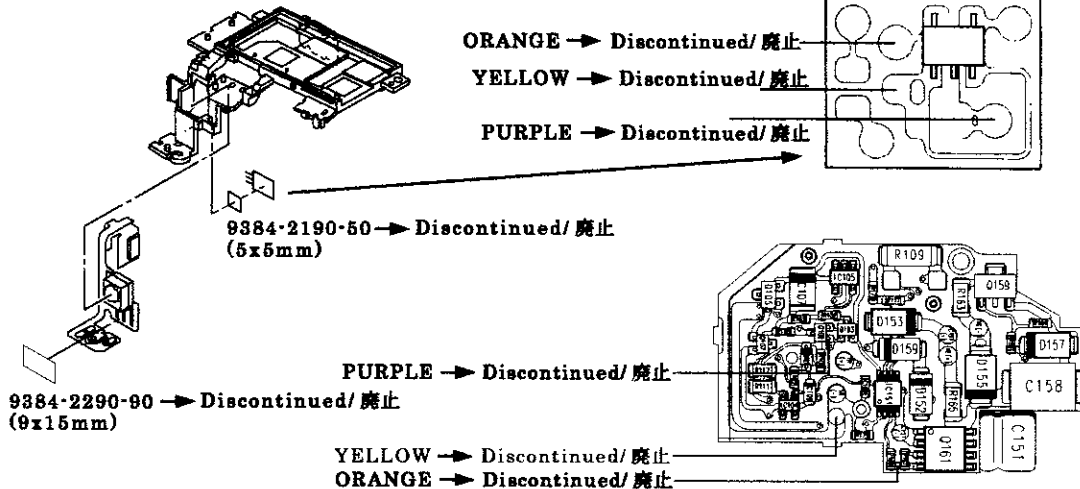
2163-0408-02/2163-0462-02
Flash memory/フラッシュ版
M30220FCRP (Ver. 03_26)
Mask type/MASK版
M30220MA-113RP (Ver. 03_28)

2163-0408-03/2163-0462-03
Mask type/MASK版
M30220MA-117RP (Ver. 03_49) or later/以降



Previous	2163-0446-01 → × × ←	_____	New
Previous	(9391-0807-03) → × × ←	_____	New
Previous	(9391-0807-04) → × × ←	_____	New
Previous	(9391-0807-07) → × × ←	_____	New
Previous	9384-2190-50 → × × ←	_____	New
Previous	9384-2290-90 → × × ←	_____	New

Discontinued/廃止 ← 2163-0446-01



While all displays on is selected, pressing the spot-AE lock button shows the IC-1 version in the data panel.
(Refer to pg.77 of Repair Guide.)

■Ver.確認要領: LCD全点灯(修理編P.77参照)より、SPOT釦押し込みでVer.表示を行う。

Interchangeability as a set/セットでの互換性	Previous	→ ○ ○ ←	New
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■本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

(2163)A 20

PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P024
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Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	June 20, 2002

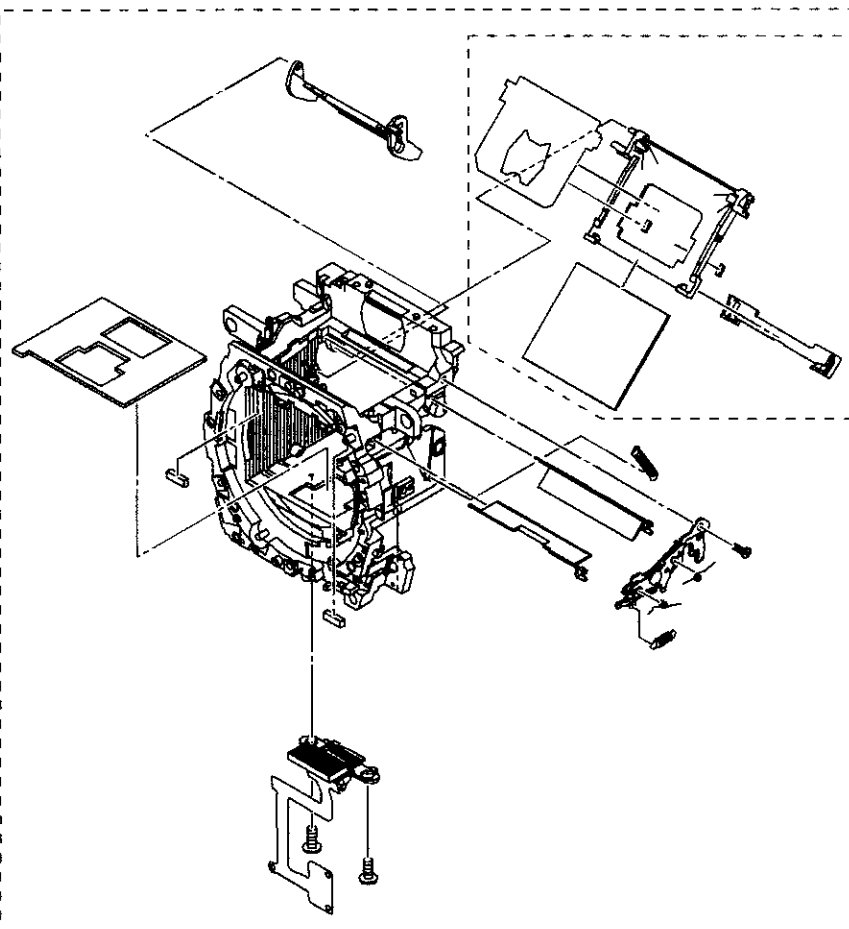
Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 6, 7, 8, 9

仮-794

REASON 変更理由	サービス供給部品として設定する	COMMON MODEL 共通機種	2163-090, -091, -690, -695
	To supply as a spare part for PANORAMA MODEL.		
Previous		2163-0700-01	New

2163-0700-01
MIRROR BOX ASSY (PANORAMA)
ミラーボックスセット (パノラマ)
NEW/ 新設



Use the original Mirror Box Assy (#2163-0500-01) for DYNAX/MAXXUM 5 (#2163-196, -296, -395 and -495)

現在供給の2163-0500-01は、"NORMAL MODEL"に使用して下さい。

■本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

PML

PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P025
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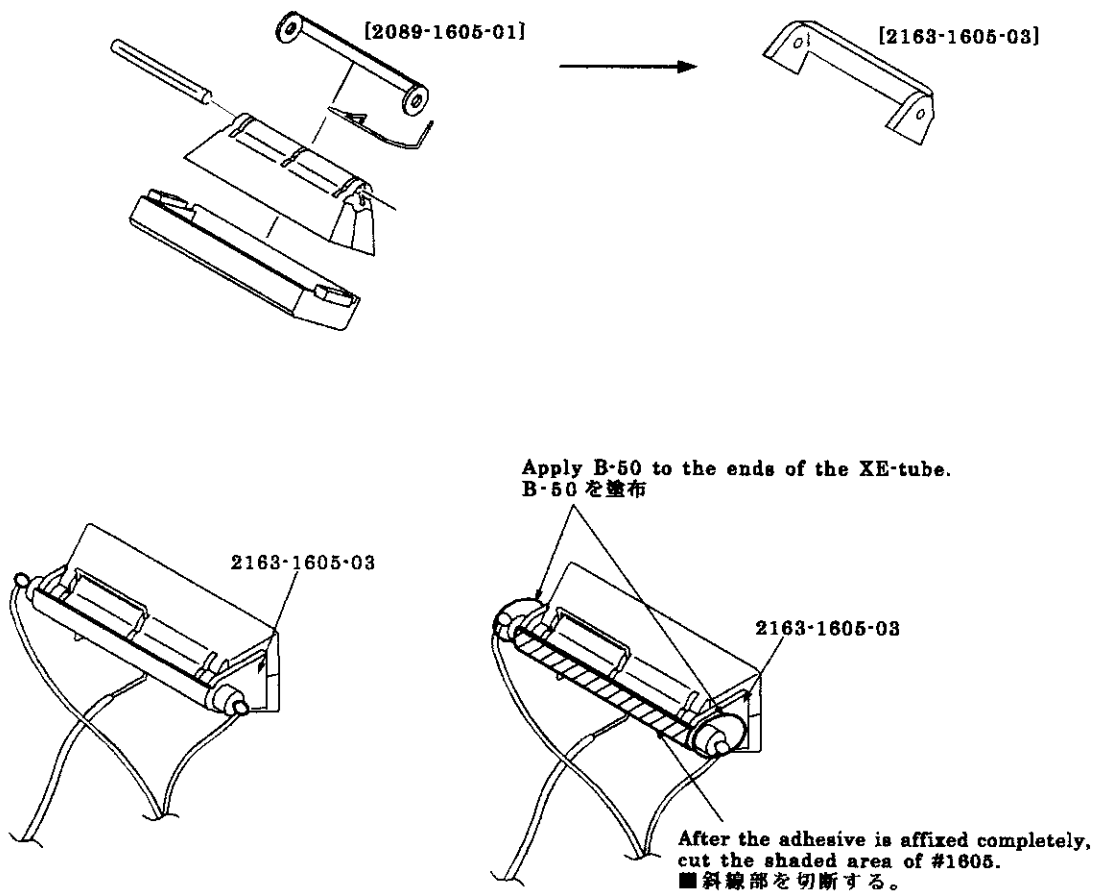
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	June 20, 2002

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 11

2163-853

REASON 変更理由	XEチューブのスパーク防止 To prevent the xe-tube sparking.			COMMON MODEL 共通機種	2163 Series
Previous	2089-1605-01	—	—	—	New
Previous	—	—	—	2163-1605-03	New



■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

(2163)A 22

REF No. 管理No.	QS FA 2163-P026
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PARTS MODIFICATION LIST

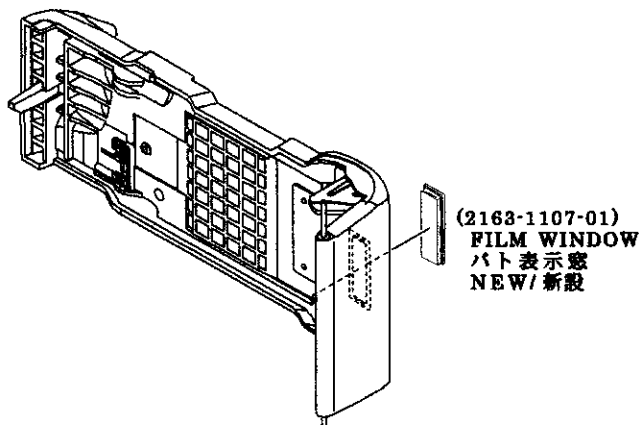
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	June 20. 2002

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 14

版-790

REASON 変更理由	サービス供給部品として設定する To supply as a spare part	COMMON MODEL 共通機種	2163 Series
Previous		(2163-1107-01)	New



REF No. 管理No.	QS FA 2163-P027
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PARTS MODIFICATION LIST

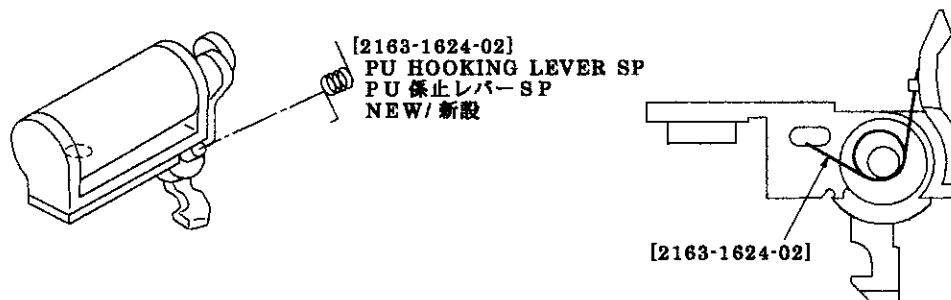
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	June 20. 2002

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 12

2163-914

REASON 変更理由	フラッシュ係止の改善 Remedy for the built-in flash pop-up easily	COMMON MODEL 共通機種	2163 Series
Previous		[2163-1624-02]	New



■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

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PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P028
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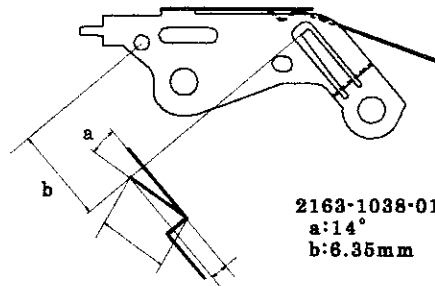
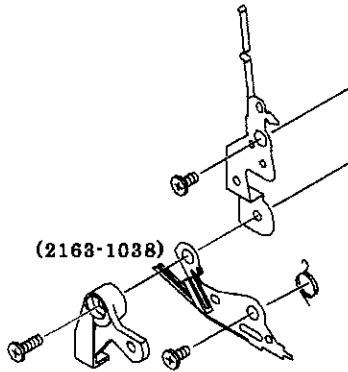
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	June 20, 2002

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 10

2163-920

REASON 変更理由	セーフティロック切替えカムへの乗り上げ防止 To improve the safety lock changeover cam operation			COMMON MODEL 共通機種	2163 Series
Previous	(2163-1038-01)	→○	×←	(2163-1038-06)	New



2163-1038-01 → 2163-1038-06
a: 14° → a: 16.2°
b: 6.35mm → b: 6.45mm

REF No. 管理No.	QS FA 2163-P029
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PARTS MODIFICATION LIST

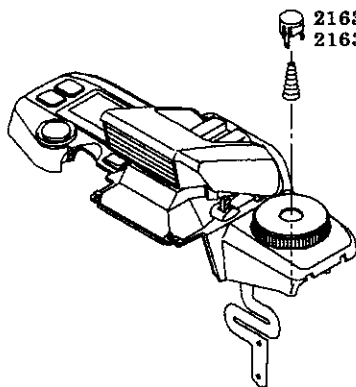
Division 主管部署	Camera Service Division カメラサービス部
Valid from 施行年月日	June 20, 2002

Approved by 承認	Verified by 審査	Written by 作成
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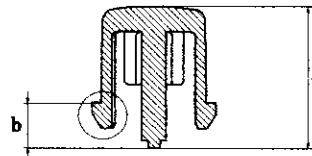
Parts List P. 1, 17

2163-921

REASON 変更理由	ファンクションダイヤル操作でのファンクション錠ON防止 To protect SFUNC ON by turning the function dial			COMMON MODEL 共通機種	2163 Series
Previous	2163-1478-01	→○	×←	2163-1478-04	New
Previous	2163-1487-01	→○	×←	2163-1487-03	New



2163-1478 (-090, -196, -296, -395, -495, -695)
2163-1487 (-091, -690)



2163-1478-01
2163-1487-01
a: 8.9mm
b: 3.0mm

↓
2163-1478-04
2163-1487-03
a: 8.7mm
b: 2.8mm

■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

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PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P030
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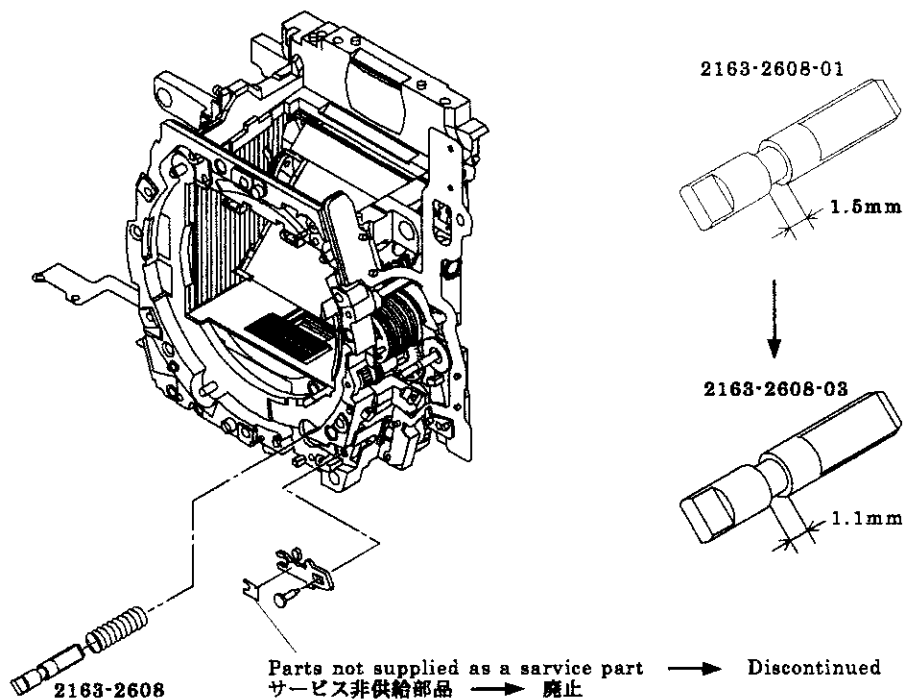
Division 主管部署	Camera CS Division カメラCS部
Valid from 施行年月日	July 25, 2002

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 7

2163-851

REASON 変更理由	AF切替え作動の改善 To improve AF SW			COMMON MODEL 共通機種	2163 Series
Previous	2163-2608-01	→×	×←	2163-2608-03	New
Previous	サービス非供給部品 Parts not supplied as a service part	→×	×←	—————	New



PML

■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P031
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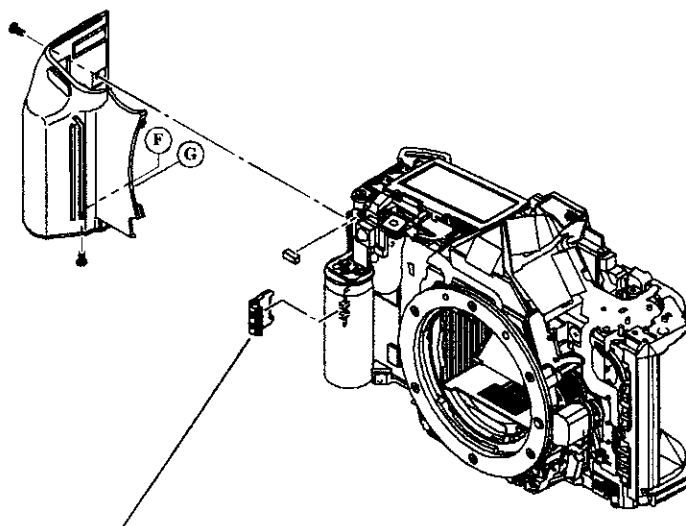
Division 主管部署	Camera CS Division カメラCS部
Valid from 施行年月日	September 12, 2002

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 1

2163-901

REASON 変更理由	リモートターミナルキャップ破損防止			COMMON MODEL 共通機種	2163 Series
	To prevent remote terminal cap from breakage				
Previous	2163-1127-01	→○	×←	2163-1127-05	New



2163-1127-01 → 2163-1127-05

Only the hardness of the parts was changed,
and Type -01 and -05 of #2163-1127 have no visual
difference.
Please handle carefully by parts number.

硬さのみ変更
部品の見分けが出来ないため部品 No. で管理して下さい。

PML

■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

(2163)A 26

REF No. 管理No.	QS FA 2163-P032
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PARTS MODIFICATION LIST

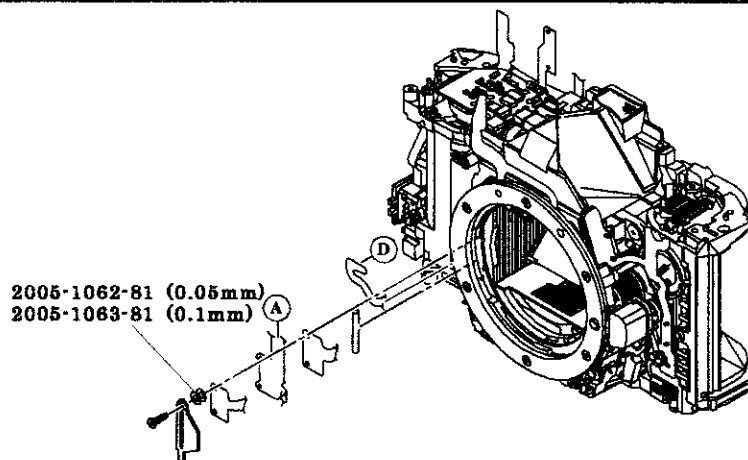
Division 主管部署	Camera CS Division カメラCS部
Valid from 施行年月日	October 10, 2002

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 2

2163-950

REASON 変更理由	三層部圧接不良の改善 To secure connection			COMMON MODEL 共通機種	2163 Series
Previous	_____	→—	—←	2005-1062-81	New
Previous	_____	→—	—←	2005-1063-81	New



REF No. 管理No.	QS FA 2163-P033
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PARTS MODIFICATION LIST

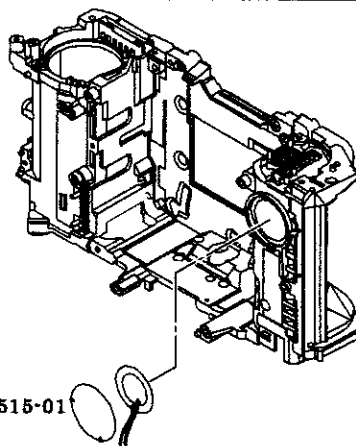
Division 主管部署	Camera CS Division カメラCS部
Valid from 施行年月日	October 10, 2002

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 5

2163-979

REASON 変更理由	コストダウン To cut cost			COMMON MODEL 共通機種	2163 Series
Previous	2163-4515-01	→—	—←	_____	New



Discontinued/廃止 ← 2163-4515-01

■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

PML

(2163)A 27

REF No. 管理No.	QS FA 2163-P034
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PARTS MODIFICATION LIST

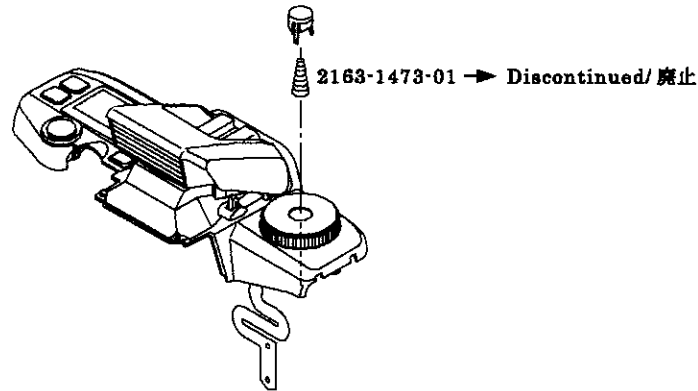
Division 主管部署	Camera CS Division カメラCS部
Valid from 施行年月日	October 10, 2002

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 1

2163-980

REASON 変更理由	コストダウン			COMMON MODEL 共通機種	2163 Series
	To cut cost				
Previous	2163-1473-01	→	←	_____	New



REF No. 管理No.	QS FA 2163-P035
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PARTS MODIFICATION LIST

Division 主管部署	Camera CS Division カメラCS部
Valid from 施行年月日	October 10, 2002

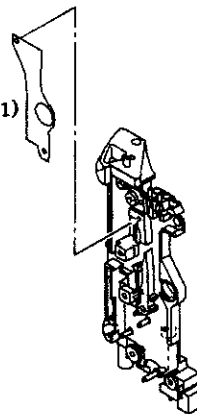
Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 10

2163-984

REASON 変更理由	コストダウン			COMMON MODEL 共通機種	2163 Series
	To cut cost				
Previous	(2163-1040-01)	→	←		New

Discontinued/ 廃止 ← (2163-1040-01)



■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

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PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P036
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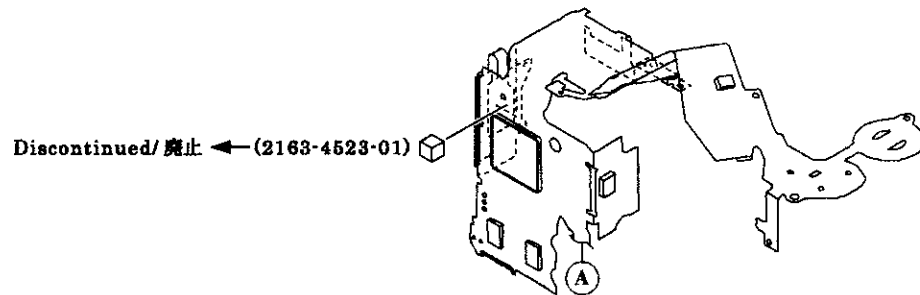
Division 主管部署	Camera CS Division カメラCS部
Valid from 施行年月日	October 10. 2002

Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 2

2163-985

REASON 変更理由	コストダウン			COMMON MODEL 共通機種	2163 Series
	To cut cost				
Previous	(2163-4523-01)	→	←		New



PML

■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

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PARTS MODIFICATION LIST

REF No. 管理No.	QS FA 2163-P037
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Division 主管部署	Camera CS Division カメラCS部
Valid from 施行年月日	November 28, 2002

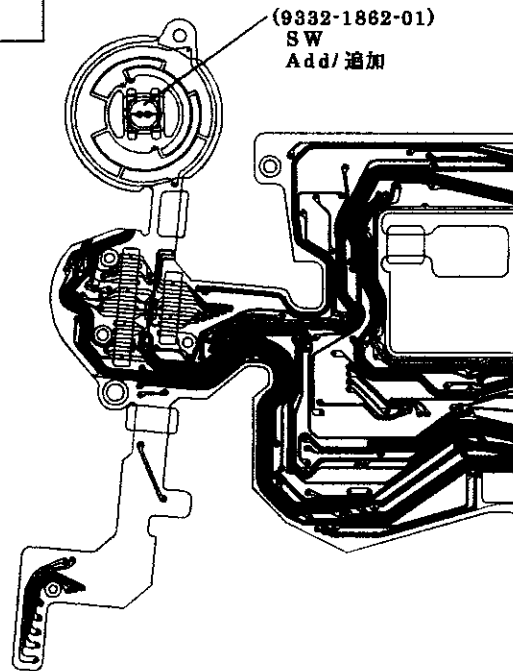
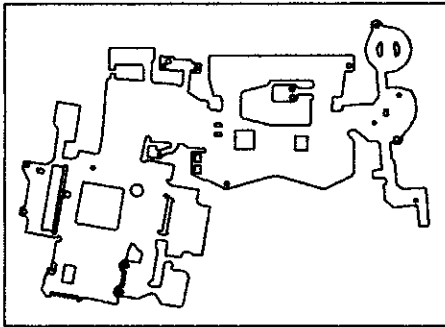
Approved by 承認	Verified by 審査	Written by 作成
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Parts List P. 2

版・841

REASON 変更理由	手配都合			COMMON MODEL 共通機種	2163 Series
	For efficient part supply				
Previous	—	—	—	(9332-1862-01)	New

2163-0408
2163-0462



■ 本案内状に従い、パーツリストへの転記等、メンテナンスを行なってください。

According to this list, correct "Parts List" in Service Manual for effective parts management.

MINOLTA CO.,LTD.

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REPAIR GUIDE

Contents of this manual are in accordance with the assembly procedure. Therefore, follow the reverse procedure when disassembly.

Refer to Wiring diagram on Parts List, page 15 for wiring.

■:Cautions and keypoints

■G: Grease

■B: Adhesive

■T: Tool

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■ Precautions

Chemicals

Handle chemicals of high volatility with care, use of which will affect to your health and environment.

1. Store them sealed in a specific place to prevent exposure to high temperature or direct sunlight.
2. Avoid dividing them into small containers and prevent vaporization.
3. Keep containers sealed when not in use.
4. Avoid using them as much as possible. When required, remove only required amount from the container to make full use.

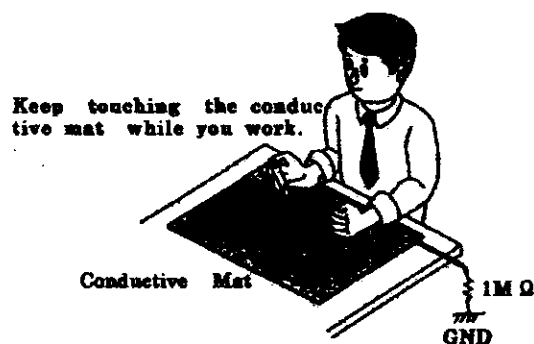
Plastic parts

1. When cleaning plastic parts, use cleaning paper or cloth. Never use thinner, ketone, ether.
2. When installing plastic parts, insert the specific screws vertically to the parts. (Be careful not to tighten too much.

PCBs

Since PCBs use MOS IC, you must reduce static electricity. When repairing a PCB itself, or when wiring, please perform your work as illustrated below.

If grounding is impossible, connect a cable to a steel desk or shelf.

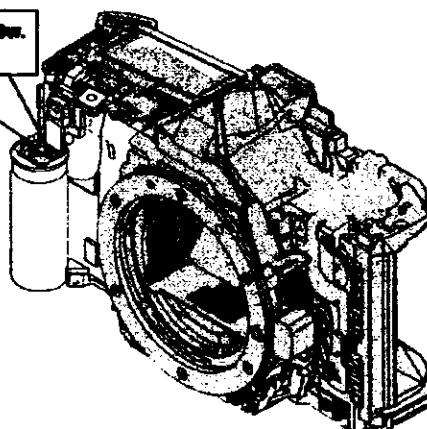


Discharge

Before disassembly, be sure to discharge the main condenser in the following manner. (Fig. 1)

■ Fig. 1

Short-circuit with discharger or resistor of 200-300 ohm/3w. Check voltage to make sure it is discharged.

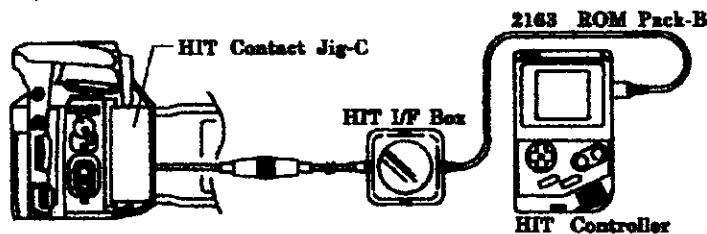


To inhibit flash charge

Be sure to make flash charge available after repair.

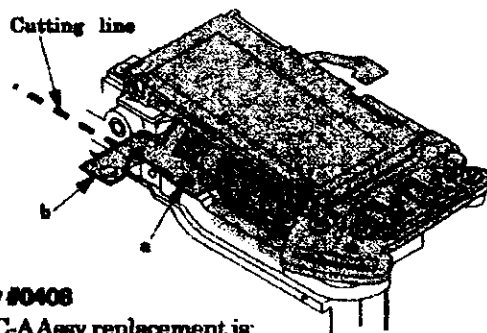
1. Setup the camera as Fig. 2.
2. Select "ASSIST MODE" from main menu and press SELECT Button.
3. Select "FLASH CHARGE ON/OFF" from assist mode menu and press SELECT Button.
4. Press Shutter-Release Button partway down.
5. Press Button-A or -B to select flash charge on/off. And press SELECT Button.
 Button-A: ON (flash charge available)
 Button-B: OFF (flash charge inhibited)
6. Press Shutter-Release Button partway down. HIT Controller beeps.
7. Re-install Battery.
 Select "MENU" and press SELECT Button to return to the assist mode menu.

■ Fig. 2

**To activate without Top Cover (Fig. 3)**

- Short-circuit the pattern -a of FPC-A Assy with solder.
- When using replacement FPC-A, no need to short these patterns because it has pattern-b.
- * Before installing Top Cover, be sure to unsolder the pattern-a or to cut the pattern-b.

■ Fig. 3

**Replacing FPC-A Assy #0408**

Initial setting after FPC-A Assy replacement is:

- Flash charge inhibited
- F—shutter lock canceled
- Erratic display in Data Panel.

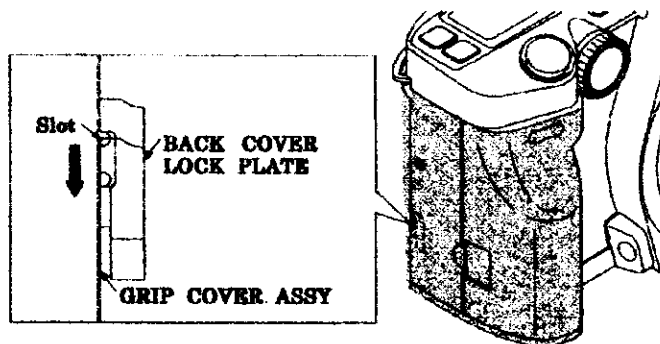
* Battery installation after Flash Level Adjustment (pg. 66) will reset these settings.

Film Removal

* Work in a dark room or a dark box.

Insert a screwdriver #1 (0.8mm) into the slot of the Back cover lock plate from the slot between the Grip cover and Back cover then slide the tip of screwdriver in arrow direction as in Fig.4 to open the Back cover.

■ Fig. 4

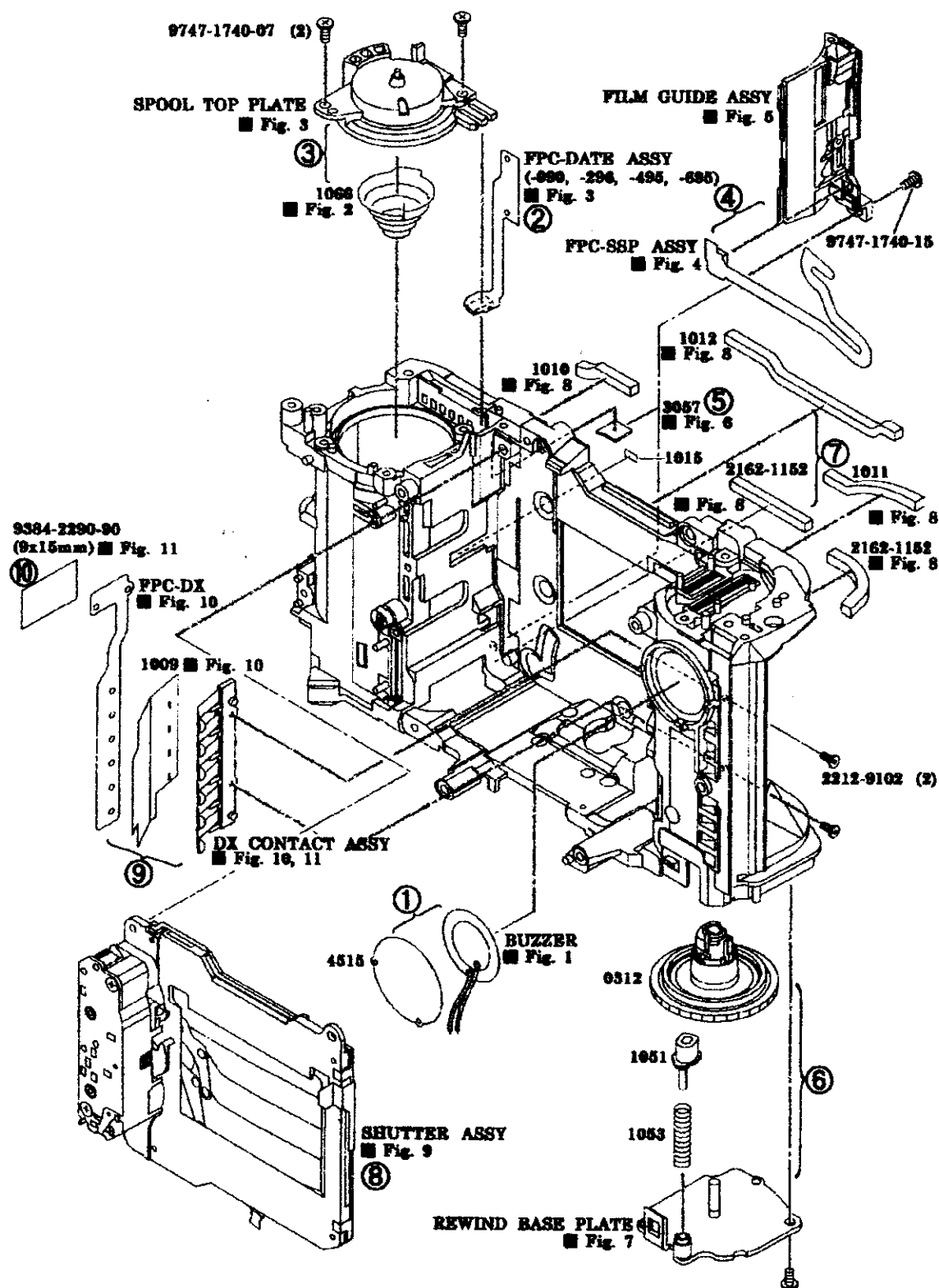


4 A(2163)

1 FILM GUIDE ASSY, SHUTTER ASSY Installation

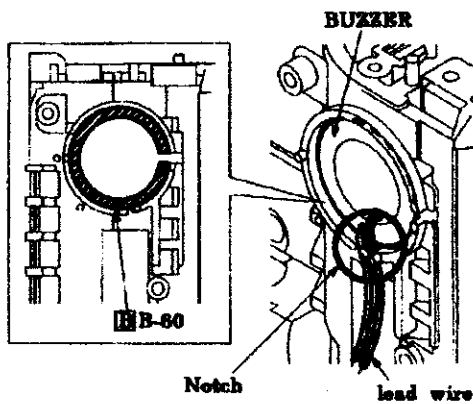
Install in order from 1 to 10.

REPAIR GUIDE



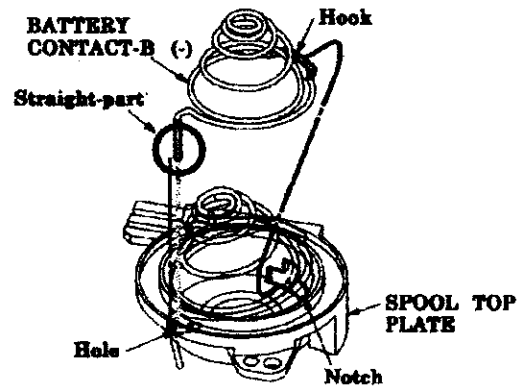
■ Fig. 1

Apply B-60 to entire of shaded area to affix BUZZER, then arrange the lead wires as as illustrated.



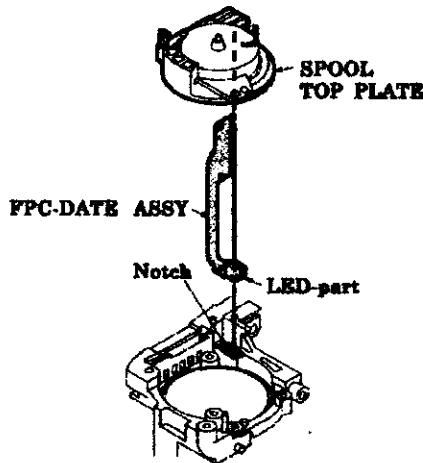
■ Fig. 2

Thread the straight-part of BATTERY CONTACT-B (-) into the hole of SPOOL TOP PLATE, then hook the tip of BATTERY CONTACT-B (-) into the groove of SPOOL TOP PLATE.



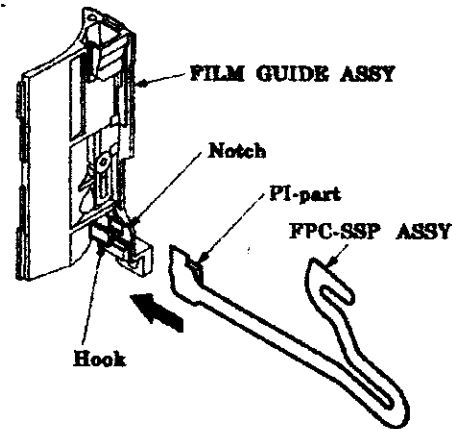
■ Fig. 3 (Date model only)

Fit the LED-part of FPC-DATE ASSY to the notch on the body, then assemble SPOOL TOP PLATE.



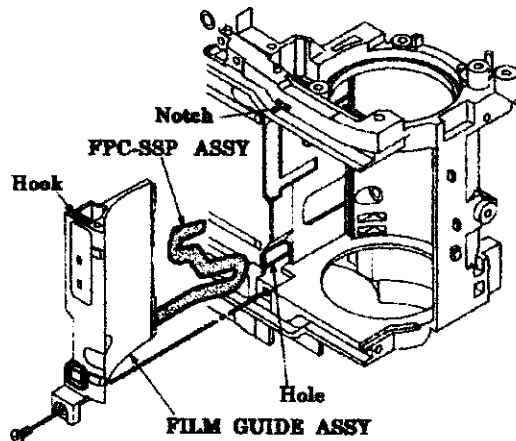
■ Fig. 4

Insert the PI-part of FPC-SSP ASSY to the notch on FILM GUIDE ASSY in the arrow direction, then fit FPC-SSP ASSY with the hook tip of Film Guide Assy.



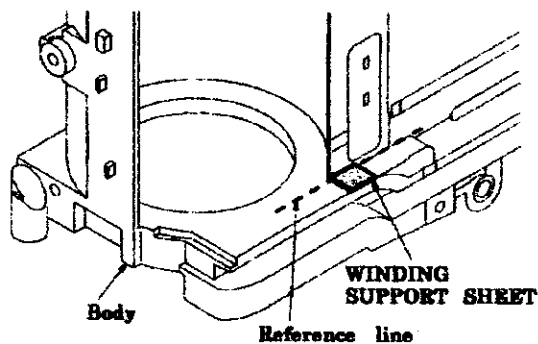
■ Fig. 5

Thread FPC-SSP ASSY into the hole of the body, then hook the tip of FILM GUIDE ASSY to the notch of the body.



■ Fig. 6

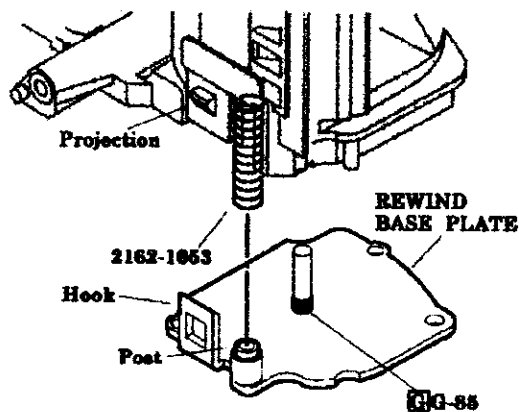
Stick WINDING SUPPORT SHEET to the designated position of the body.



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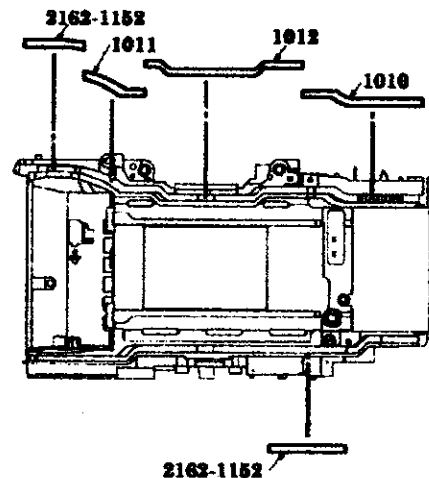
■ Fig. 7

1. Apply G-85 to the designated position of REWIND BASE PLATE.
2. Fit #2162-1053 to the post on REWIND BASE PLATE, then hook the tip of REWIND BASE PLATE to the projection of the body.



■ Fig. 8

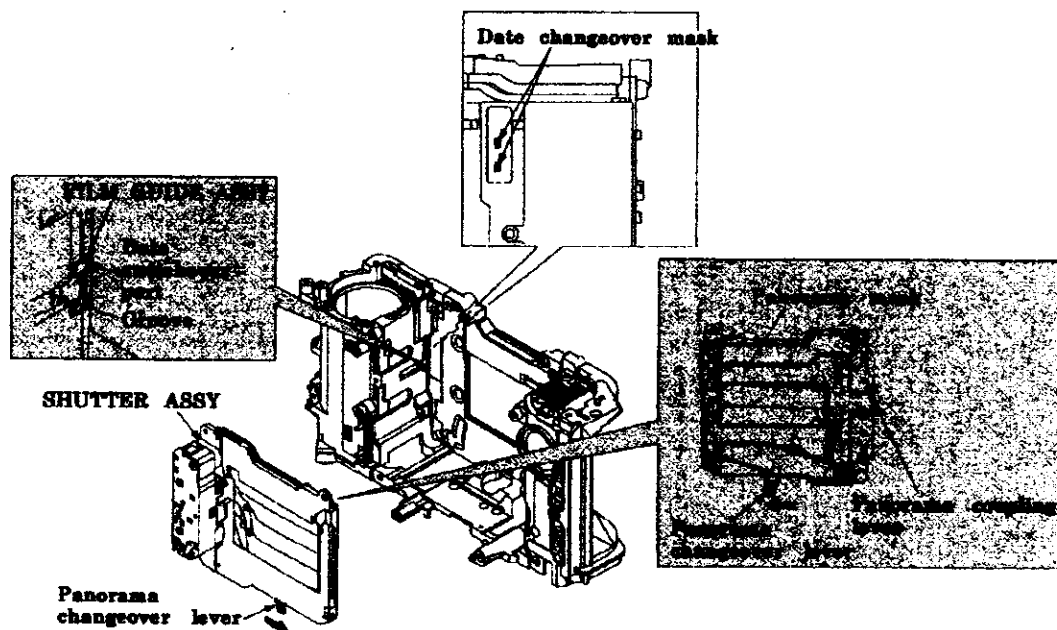
Stick #1010, #1011, #1012 and #2162-1152 to the designated position.



■ Fig. 9 (Panorama model only)

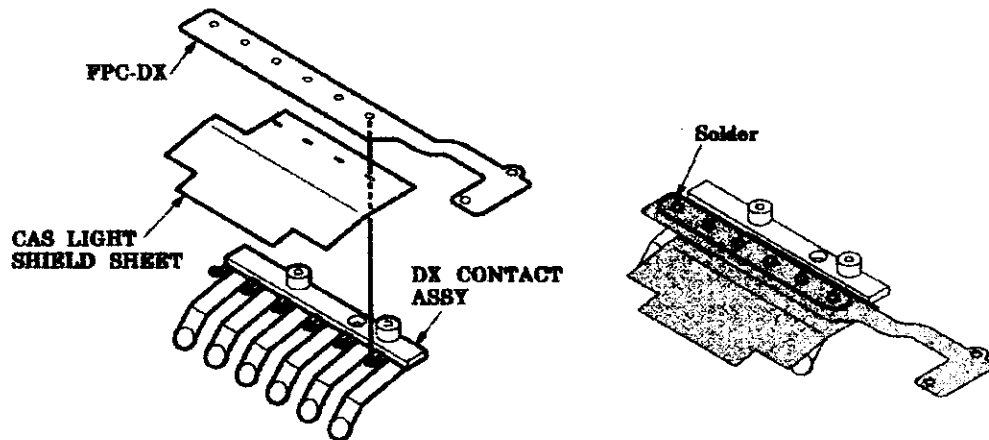
1. Set the date switchover part of FILM GUIDE ASSY to the Panorama position (at the groove of the body).
2. Set SHUTTER ASSY to the Panorama position.
3. Insert the panorama coupling lever of SHUTTER ASSY into the date switchover part of FILM GUIDE ASSY.

Confirm that the date changeover mask of FILM GUIDE ASSY interlocks the panorama changeover lever of SHUTTER ASSY.



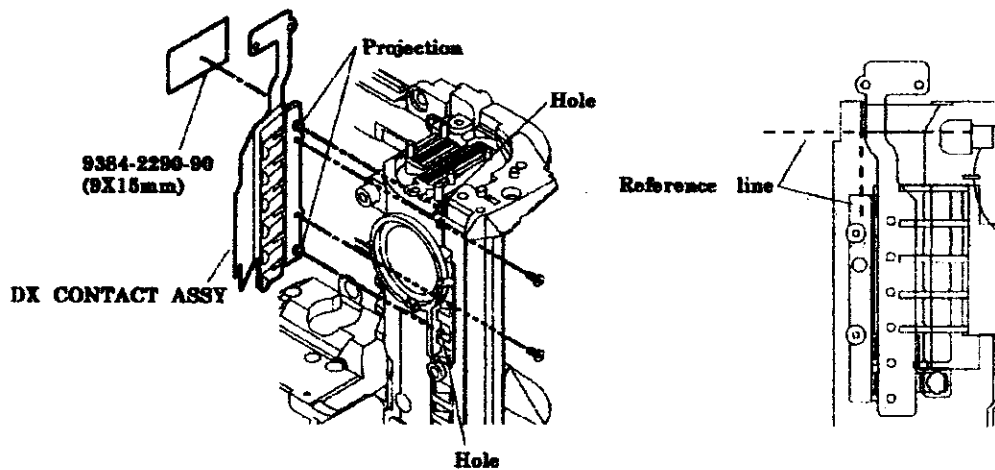
■ Fig. 10

Thread the holes of CAS LIGHT SHIELD SHEET and FPC-DX to the posts of DX CONTACT ASSY, then solder them together.



■ Fig. 11

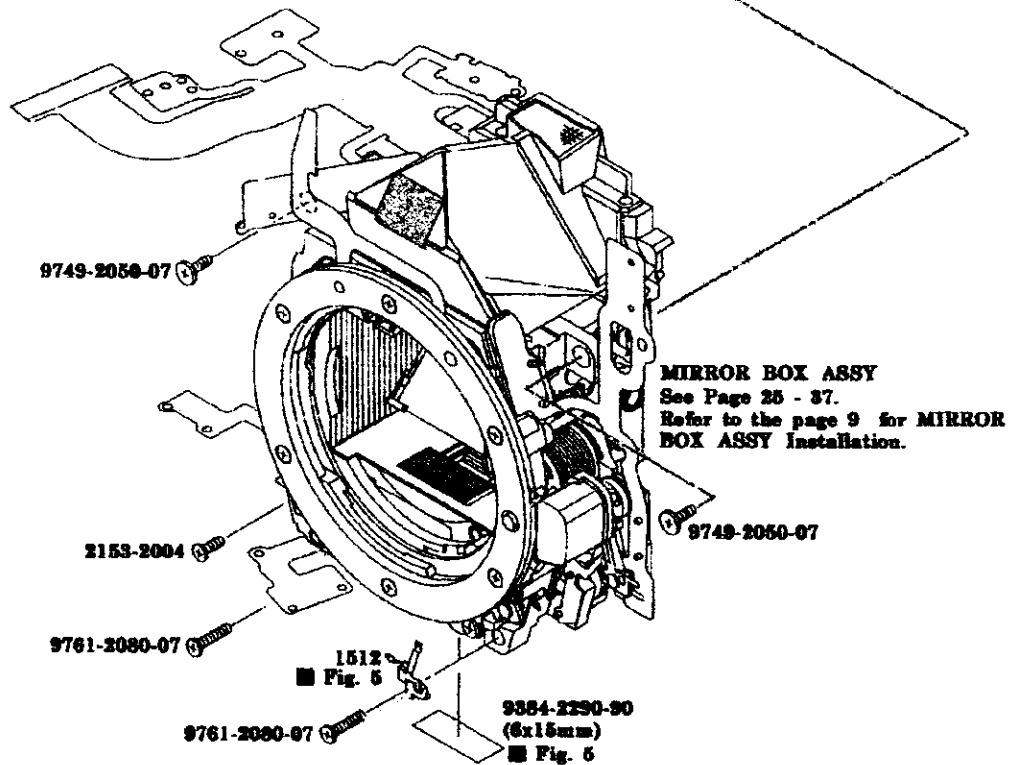
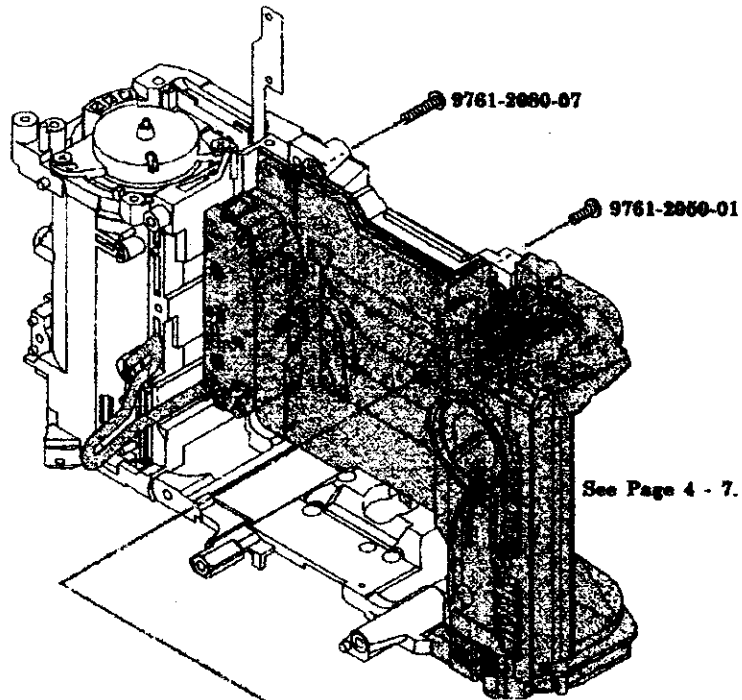
1. Fit the projection of DX CONTACT ASSY to the hole of the body
2. Stick #9394-2290-90 to the designated position as illustrated..



8 A(2163)

2 MIRROR BOX ASSY Installation

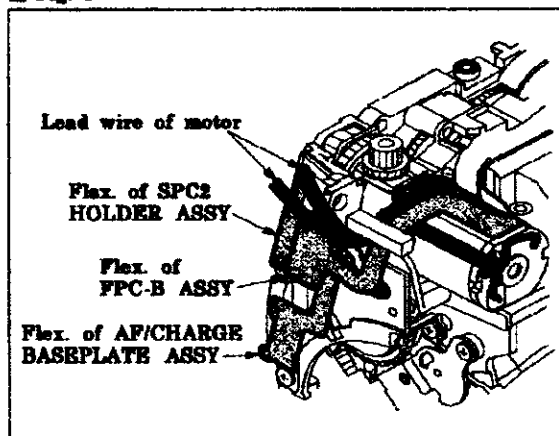
REPAIR GUIDE



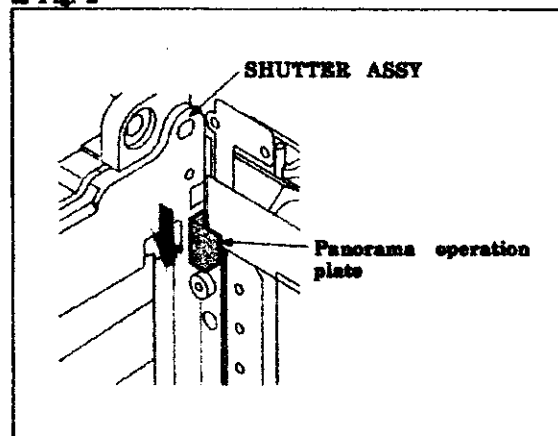
MIRROR BOX ASSY Installation

1. Arrange the flex of MIRROR BOX ASSY and lead wires as in Fig. 1.
2. Install SHUTTER ASSY, then set the panorama operation plate in arrow direction (to the normal frame position) as in Fig. 2. (Panorama model only)
3. Install MIRROR BOX with the mirror-up position. (See MIRROR BOX manual operation.)

■ Fig. 1

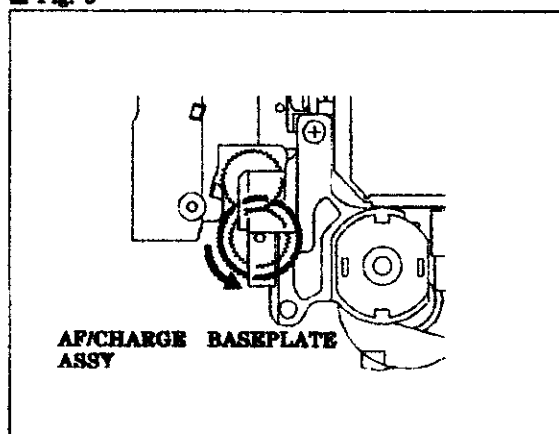


■ Fig. 2

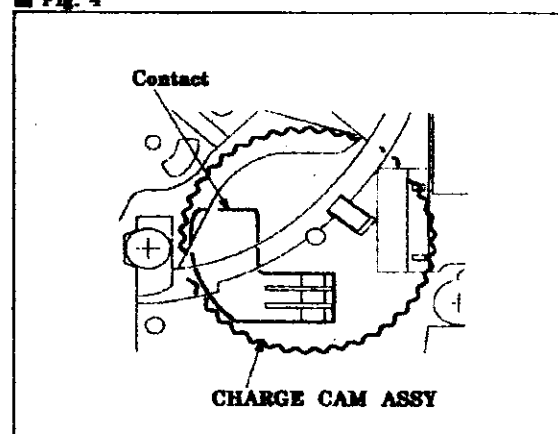
**MIRROR BOX manual operation**

1. Turn the gear in Fig. 3 in arrow direction until the contact of AF/CHARGE BASEPLATE ASSY comes in the position as in Fig. 4
2. Turn the gear in Fig. 3 clockwise until mirror goes up.

■ Fig. 3

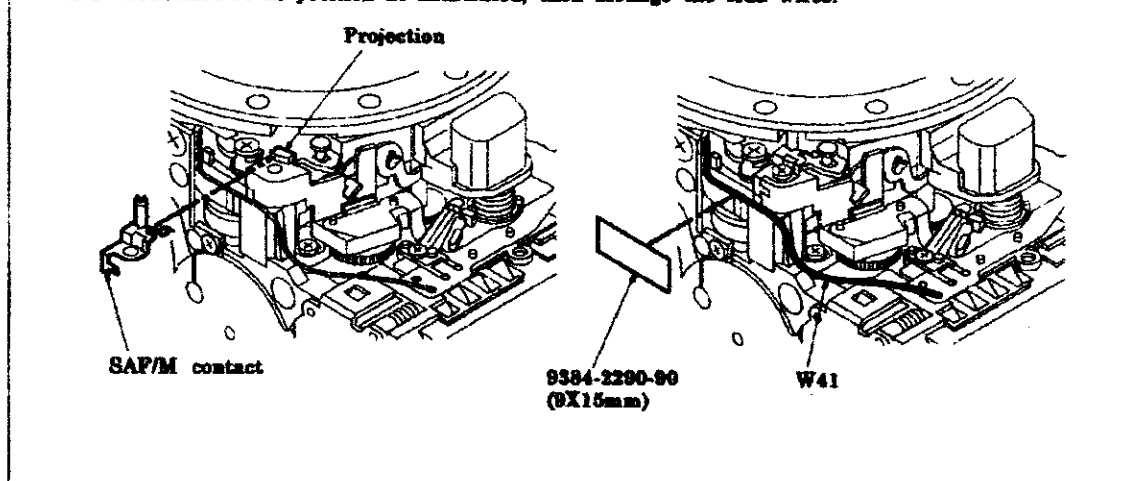


■ Fig. 4



■ Fig. 5

1. Fit SAF/M contact to the notch of MIRROR BOX.
2. Stick #9384-2290-90 in position as illustrated, then arrange the lead wires.

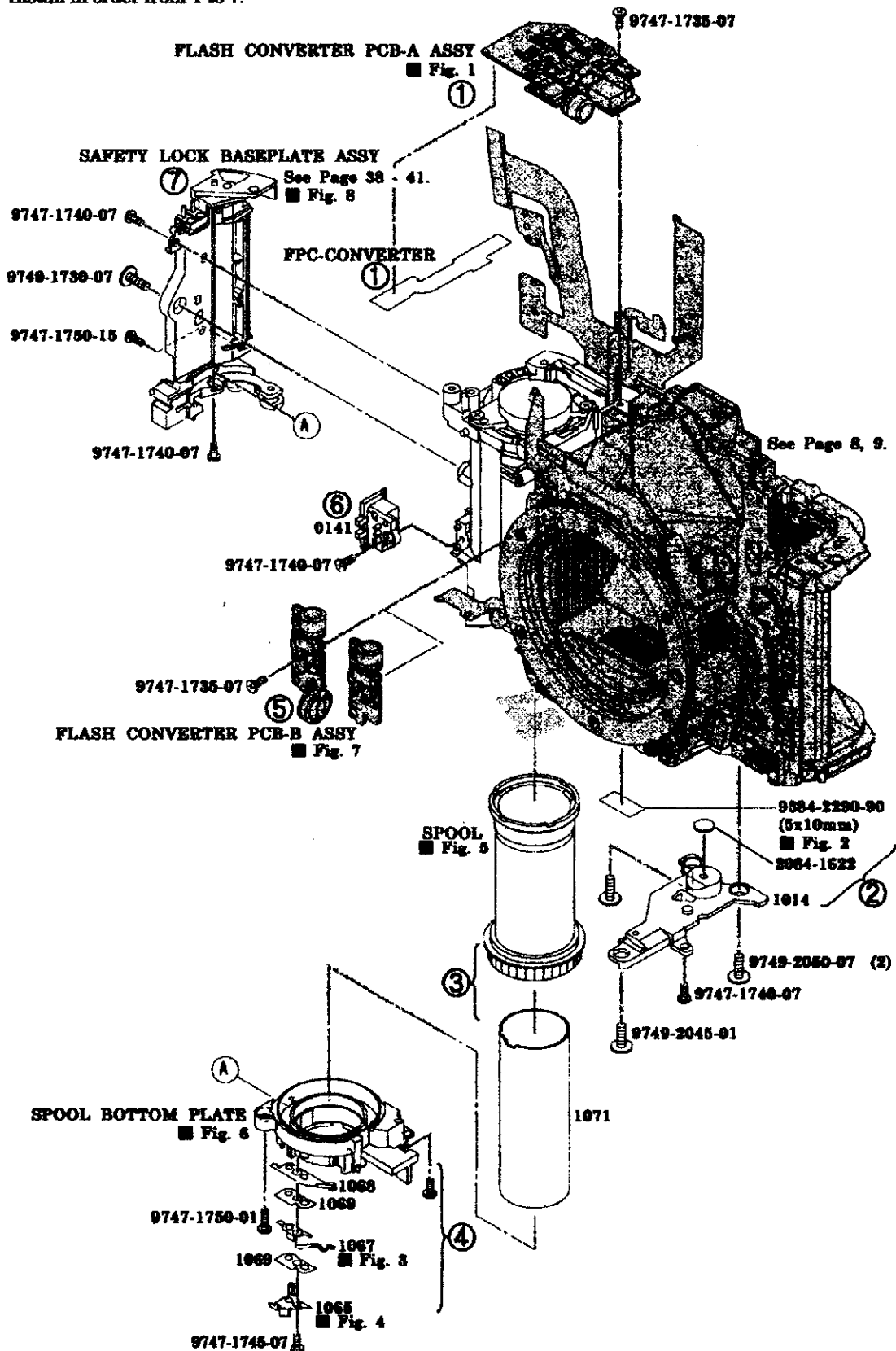


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3 SPOOL, SAFETY LOCK BASEPLATE ASSY Installation

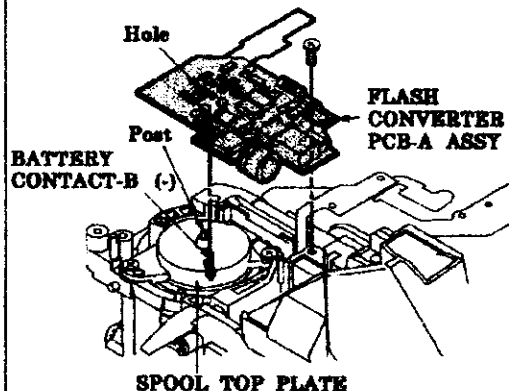
Install in order from 1 to 7.

REPAIR GUIDE



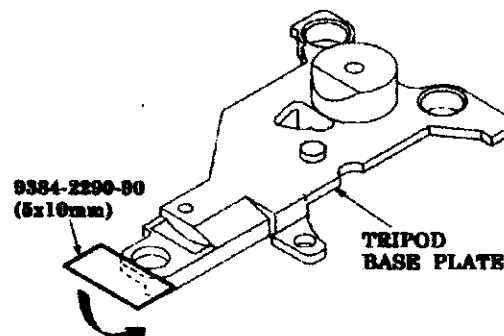
■ Fig. 1

1. Install FLASH CONVERTER PCB-A ASSY fitting the hole to post of SPOOL TOP PLATE and BATTERY CONTACT-B (-).
2. Solder BATTERY CONTACT-B (-) to FLASH CONVERTER PCB-A ASSY.



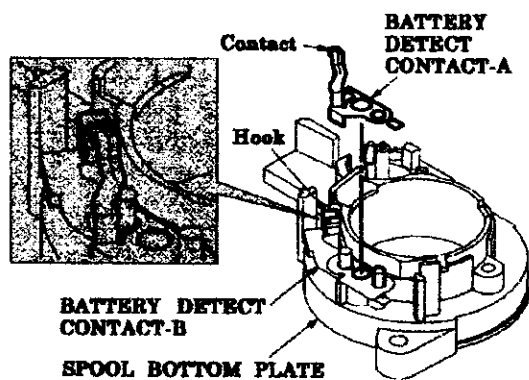
■ Fig. 2

Stick 9384-2290-90 the designated position.



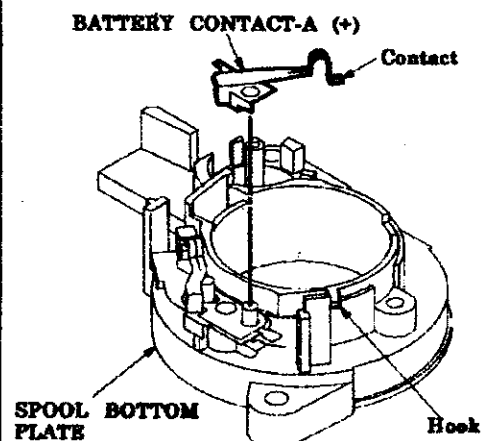
■ Fig. 3

Fit the contact tip of BATTERY DETECT CONTACT-A under the hook tip of BATTERY DETECT CONTACT-B.



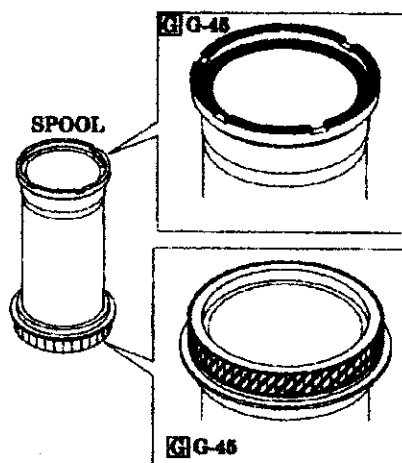
■ Fig. 4

Fit the contact tip of BATTERY CONTACT-A (+) under the hook tip of SPOOL BOTTOM PLATE.



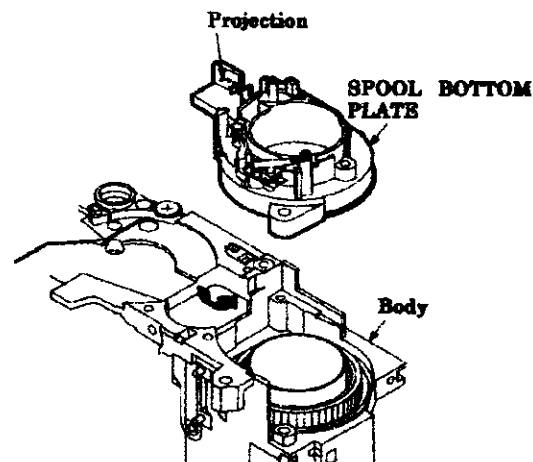
■ Fig. 5

Apply G-45 to the designated position.



■ Fig. 6

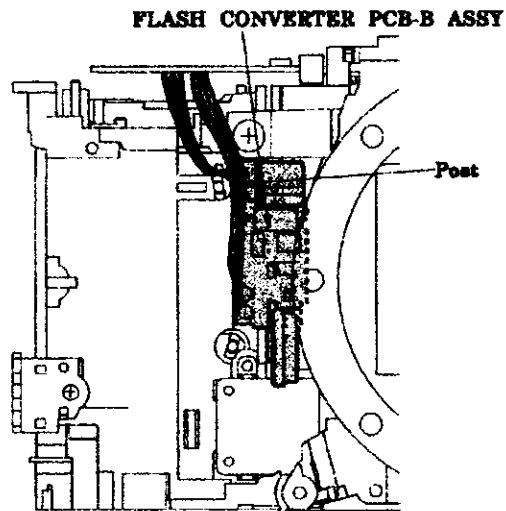
Install the projection of SPOOL BOTTOM PLATE to fit the body in arrow direction.



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■ Fig. 7

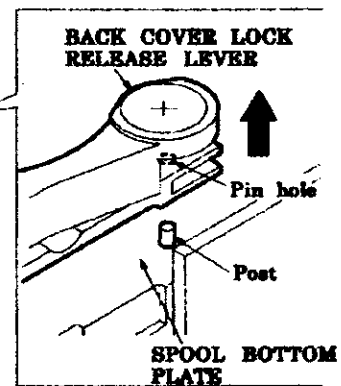
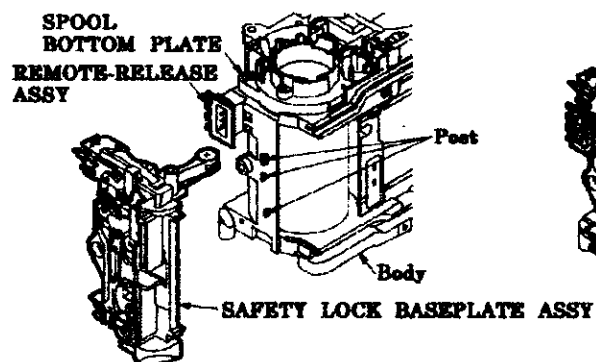
1. Install FLASH CONVERTER PCB-B ASSY fitting the hole to post of the body.
2. Arrange the lead wires as shown.



REPAIR GUIDE

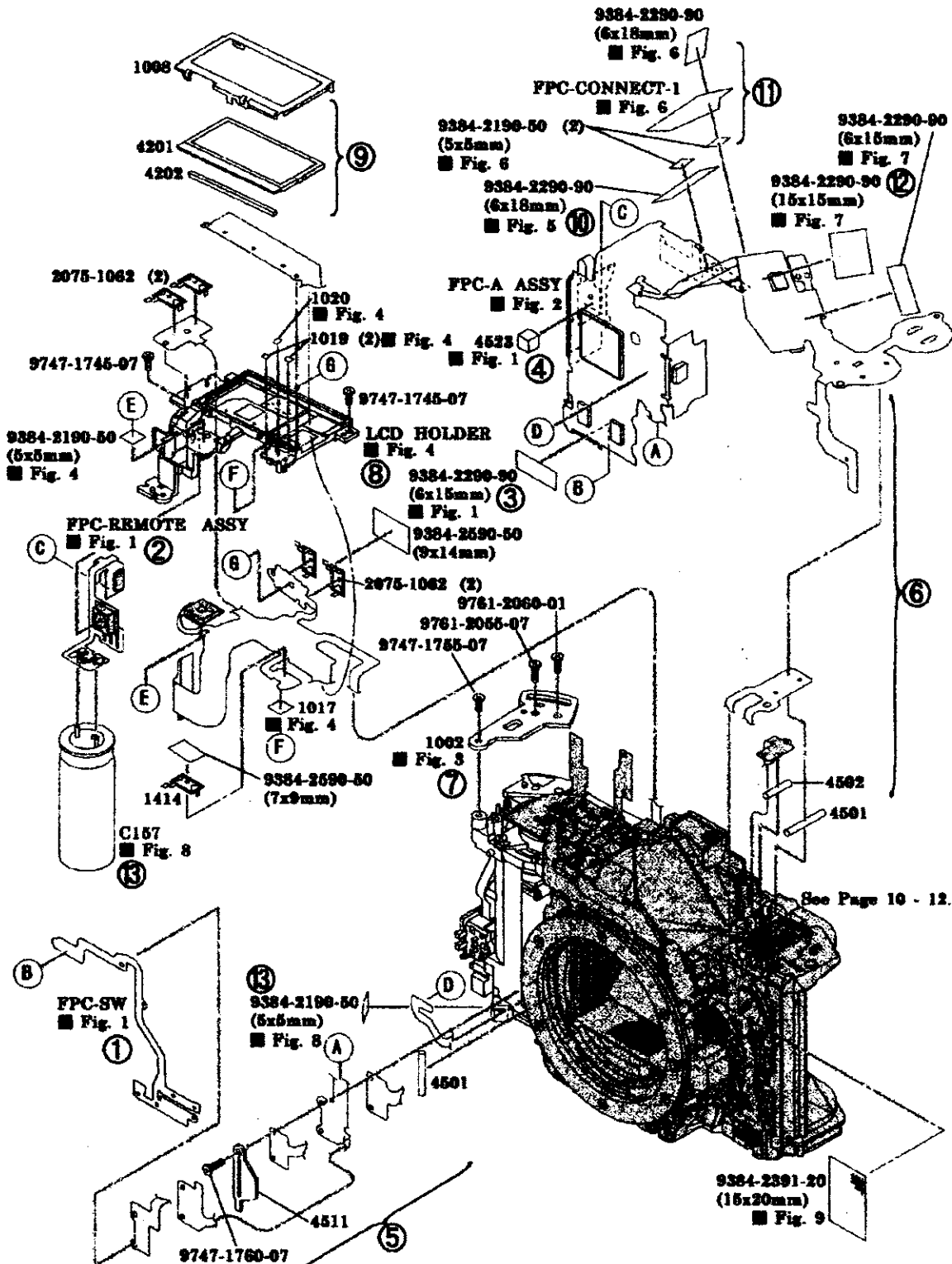
■ Fig. 8

1. Install REMOTE-RELEASE ASSY, then fit SAFETY LOCK BASEPLATE ASSY to the posts of the body.
2. Hold the BACK COVER LOCK RELEASE LEVER in arrow direction, then fit the pin hole of SAFETY LOCK BASEPLATE ASSY to the post of SPOOL BOTTOM PLATE.



4 FPC-A ASSY, LCD HOLDER, C157 Installation

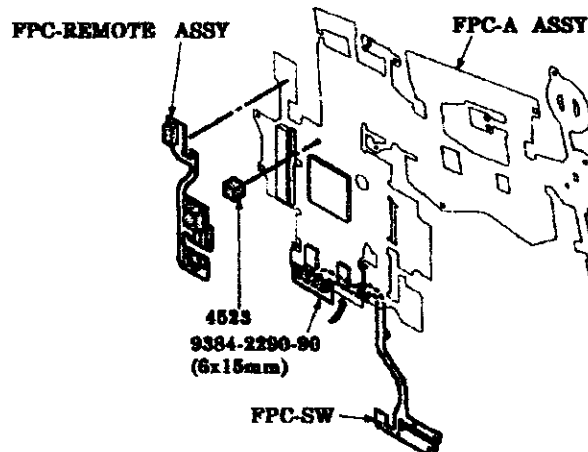
Install in order from 1 to 13.



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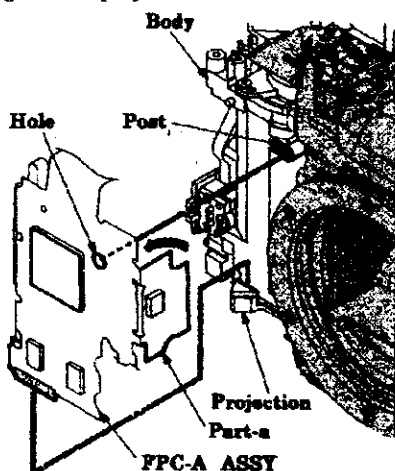
■ Fig. 1

1. Solder FPC-SW and FPC-REMOTE ASSY to FPC-A ASSY.
2. Stick #9384-2290-90 to the designated position.
3. Stick #4523 to FPC-A ASSY as illustrated.

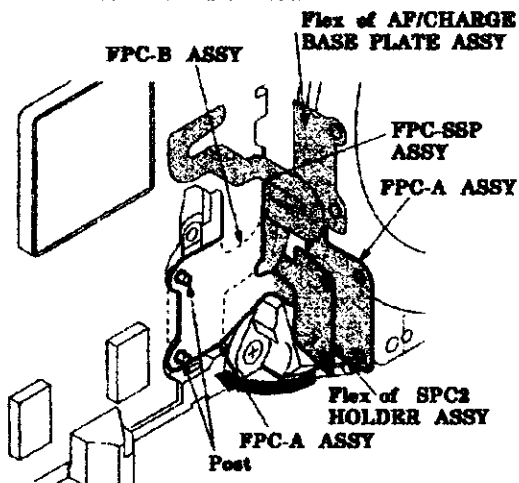


■ Fig. 2

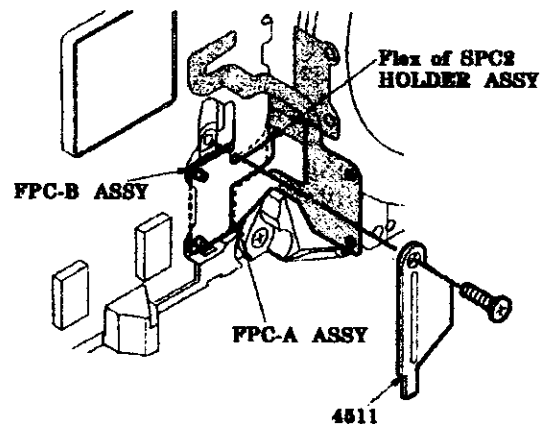
1. Fold back the part-a of FPC-A ASSY and fit the flex to the post on the body, then hook the flex fitting to the projection as illustrated.



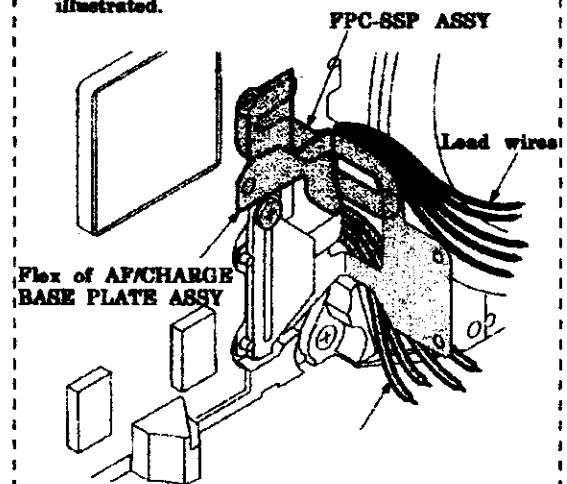
2. Arrange the flex of SPC3 HOLDER ASSY and FPC-A ASSY as illustrated.



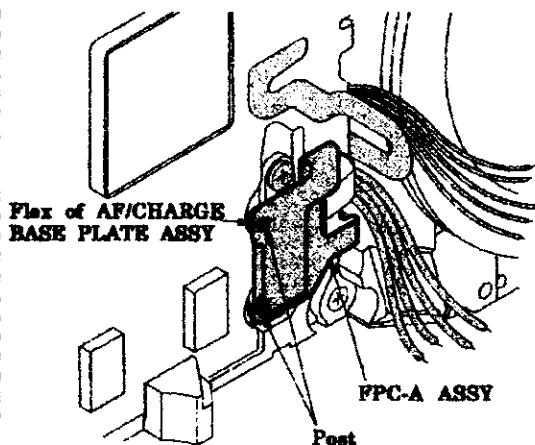
3. Fit the flexes as illustrated, and install #4511 to affix.



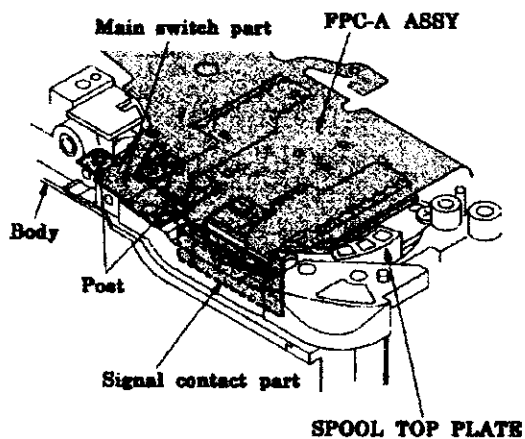
4. Arrange the flex of AF/CHARGE BASE PLATE ASSY, FPC-SSP ASSY, and lead wires as illustrated.



5. Fit the flex of AF/CHARGE BASE PLATE ASSY and FPC-A ASSY to the post as illustrated.

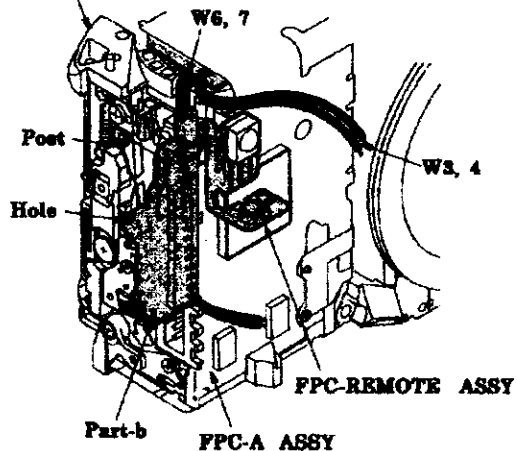


7. Insert the signal contact of FPC-A ASSY between the body and SPOOL TOP PLATE.
8. Fit the main switch of FPC-A ASSY to the post of the body as illustrated.

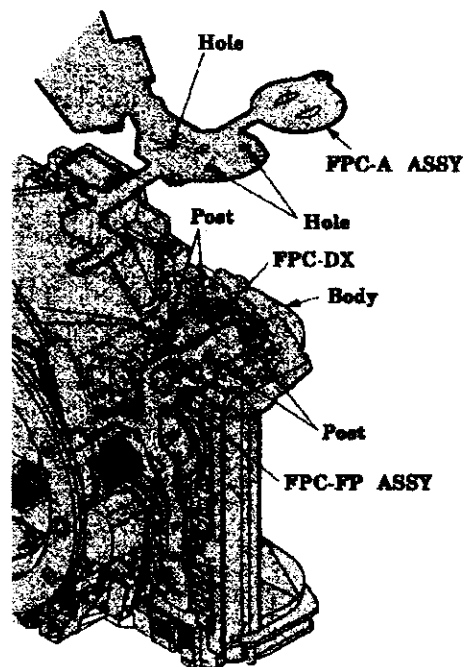


6. Arrange the lead wires W6 and W7, then fold back the part-b of FPC-A ASSY fitting to the post on SAFETY LOCK BASEPLATE ASSY as illustrated. Fit the flex of FPC-REMOTE ASSY to the designated position as illustrated.

SAFETY LOCK BASEPLATE ASSY



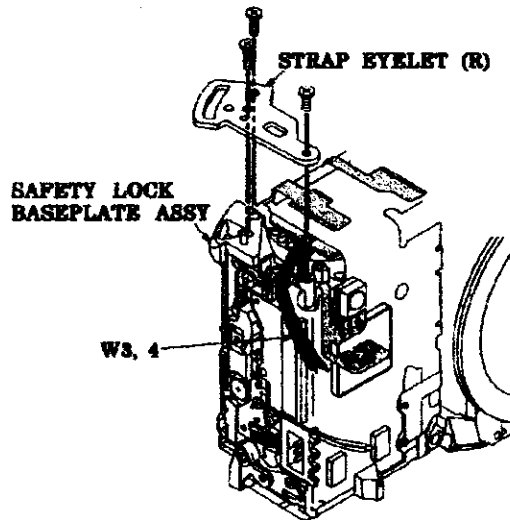
9. Fit the flexes to the post in order as shown.
10. Fit FPC-A ASSY to the post as illustrated.



16 A(2163)

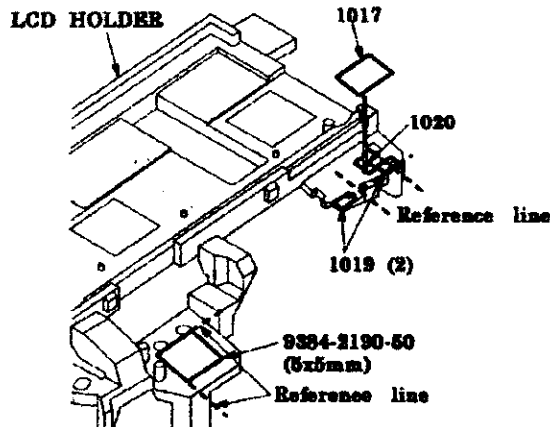
■ Fig. 3

Arrange the lead wires as illustrated, then install STRAP EYELET (R).

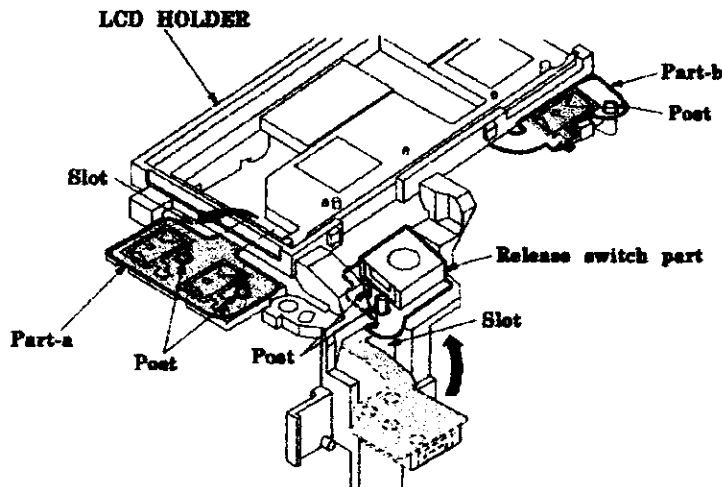


■ Fig. 4

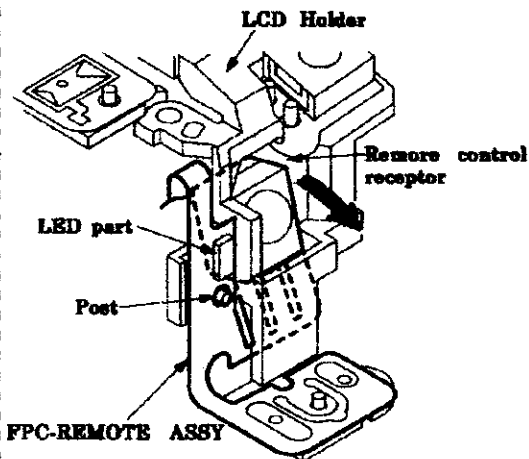
1. Stick #9384-2190-50, #1019, #1020 and #1017 to LCD HOLDER as illustrated.



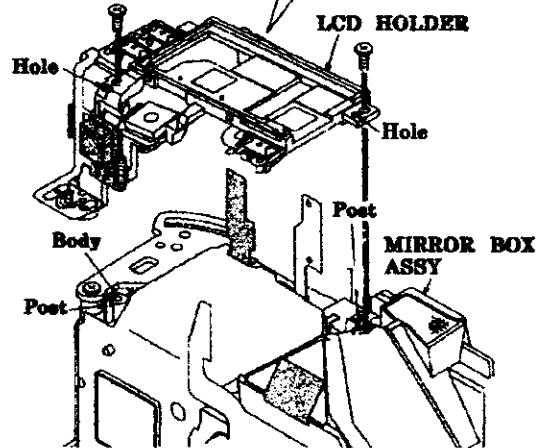
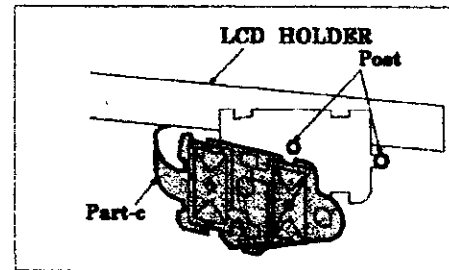
2. Insert the release switch part to the slot of the remote control receptor, then fold back the flex fitting to the post as illustrated.
3. Insert the part-a of FPC-LCD to the slot of LCD HOLDER, then fit the flex to the post of FPC HOLDER.
4. Fit the part-b of FPC-LCD to the post of FPC HOLDER.



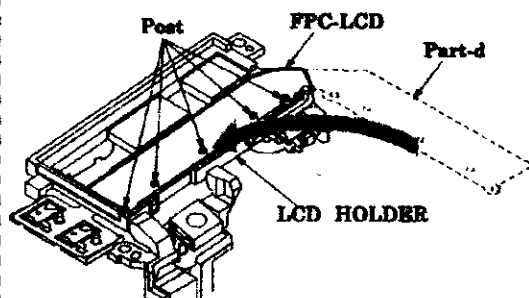
5. Fit the LED part of FPC-REMOTE ASSY to the post of LCD HOLDER, and insert the remote control receptor to LCD HOLDER.



6. Assemble LCD HOLDER fitting to the posts of MIRROR BOX ASSY and the body.
7. Fold the part-c of FPC-LCD fitting to the post of LCD HOLDER.



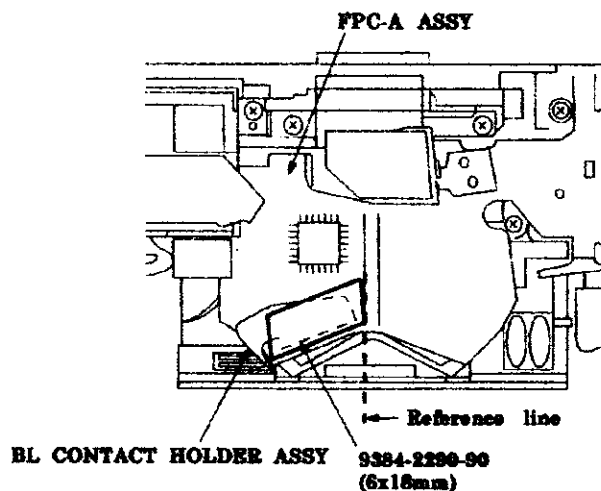
8. Fold the part-d of FPC-LCD fitting to the post of LCD HOLDER.



REPAIR GUIDE

Fig. 5

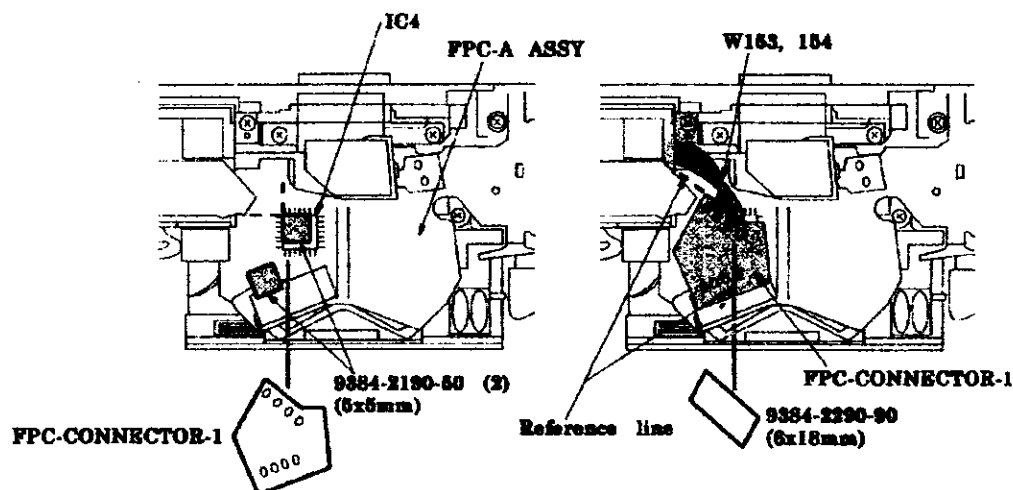
Stick #9384-2290-90 to the designated position.



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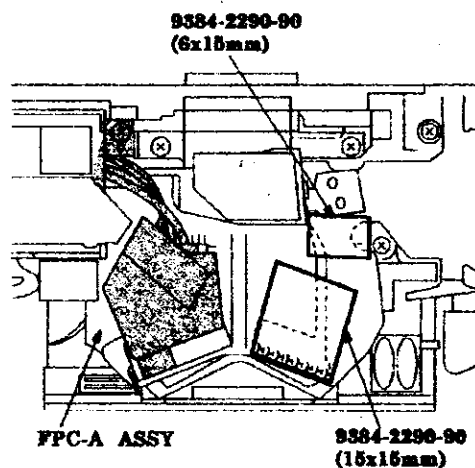
■ Fig. 6

1. Stick #9384-2190-50 to the designated position to affix FPC-CONNECTOR-1.
2. Arrange the lead wires, then stick #9384-2290-90 to the designated position.



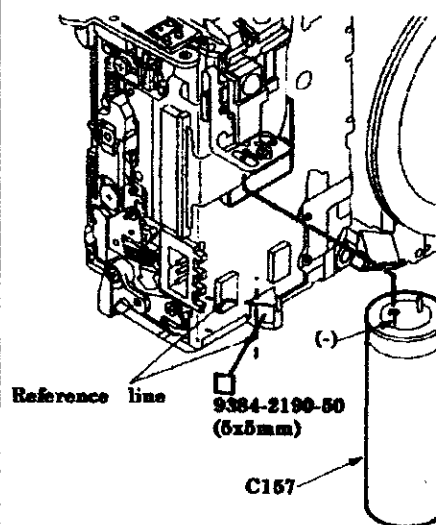
■ Fig. 7

Stick #9384-2290-90 to the designated position.



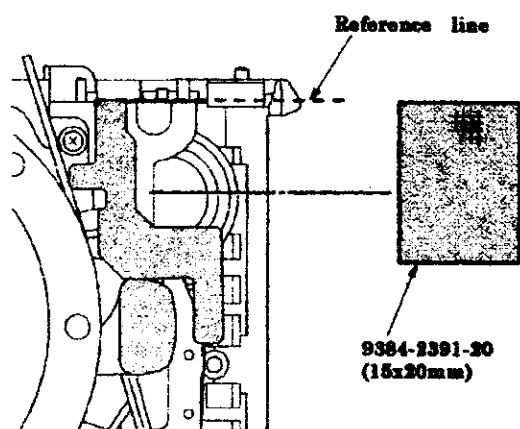
■ Fig. 8

Stick #9384-2190-50 to the designated position to affix C167.
Confirm the polarity of C167.

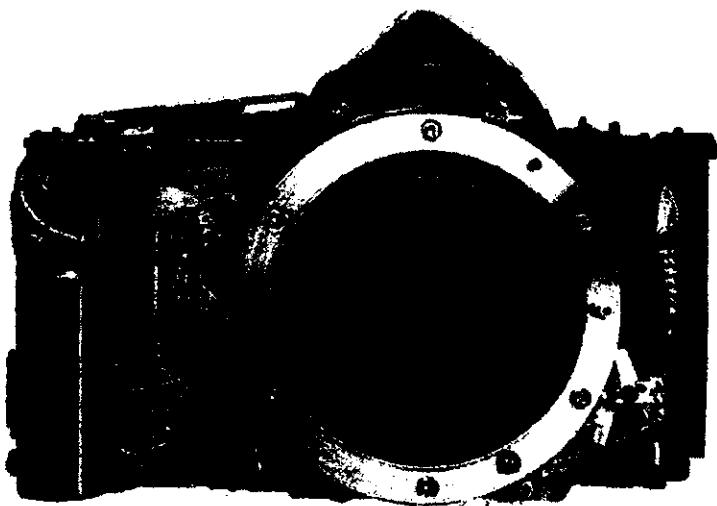


■ Fig. 9

Stick #9384-2391-20 to the designated position.



■ Wires arrangement



5 Exterior Parts Installation

Install in order from 1 to 19.

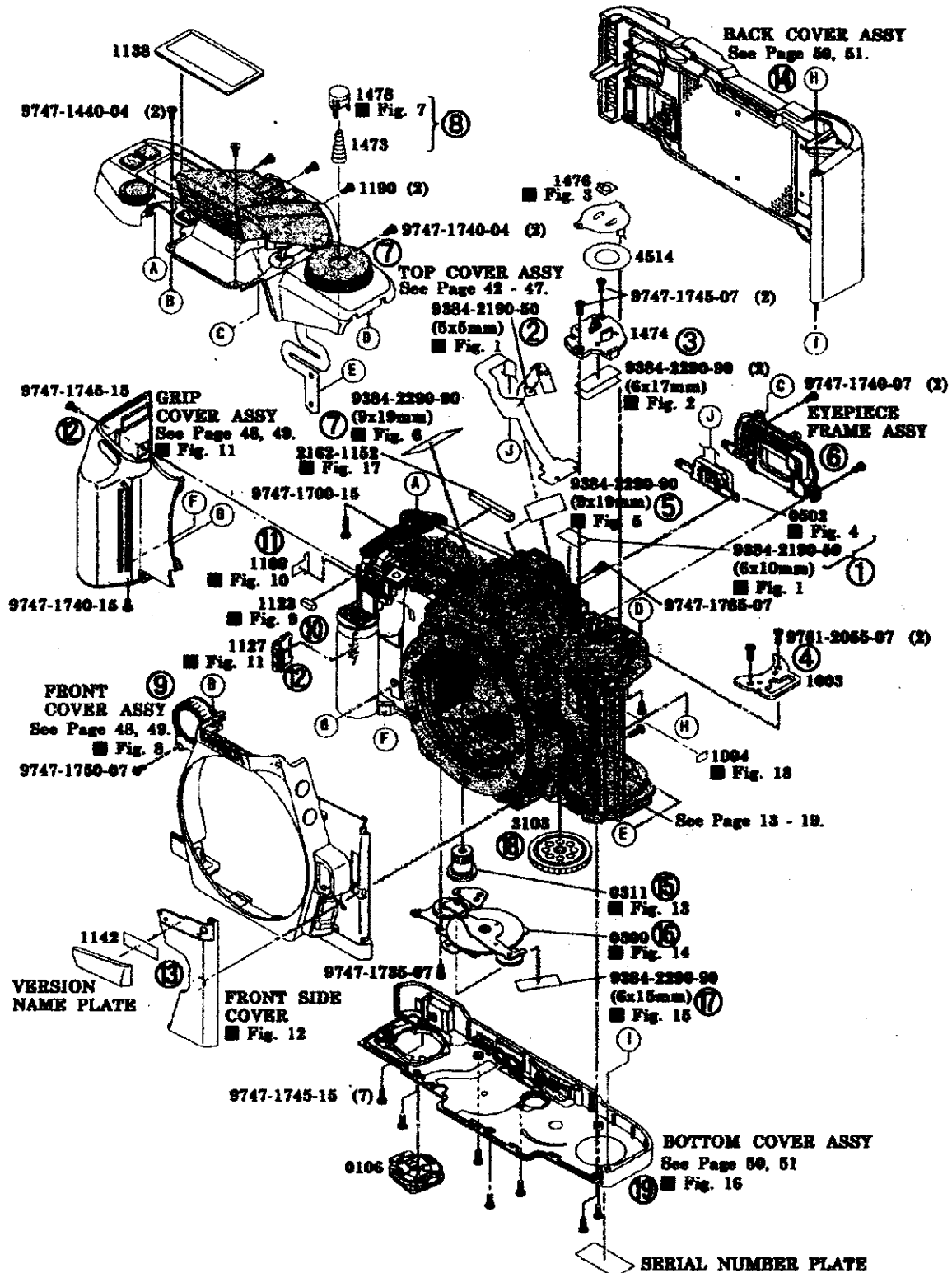
At installing the exterior part, perform the SPC adjustment. (pg. 62)

At assembly, be sure to remove the Eye-piece lens protect sheet for 2163.

At disassembly, be sure to attach the Eye-piece lens protect sheet for 2163.

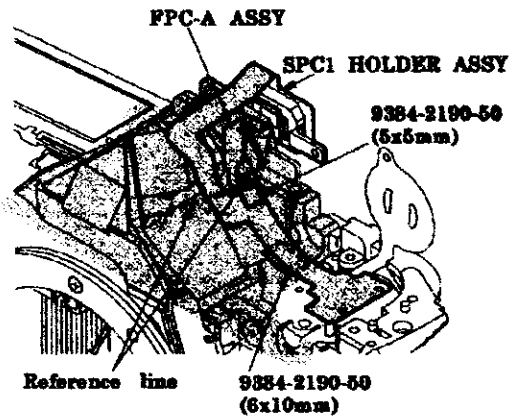
After installing the exterior parts, perform the flash pop-up/lock check/adjustment. (pg. 24)

REPAIR GUIDE



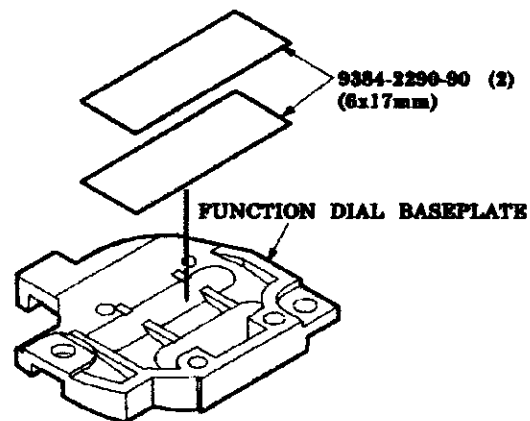
■ Fig. 1

1. Stick #9384-2190-50 to FPC-A ASSY as illustrated to affix SPC1 HOLDER ASSY.
2. Stick #9384-2190-50 to SPC1 HOLDER ASSY as illustrated, then fold back the flex of FPC-A ASSY.



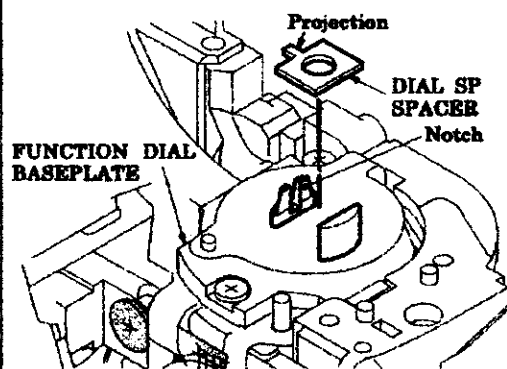
■ Fig. 2

Stick #9384-2290-90 to FUNCTION DIAL BASE-PLATE as illustrated.



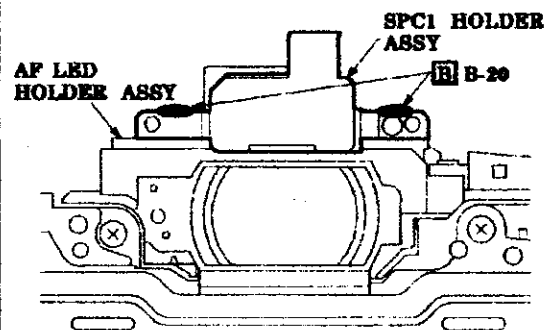
■ Fig. 3

Insert the projection of DIAL SP SPACER to the notch of FUNCTION DIAL BASEPLATE.



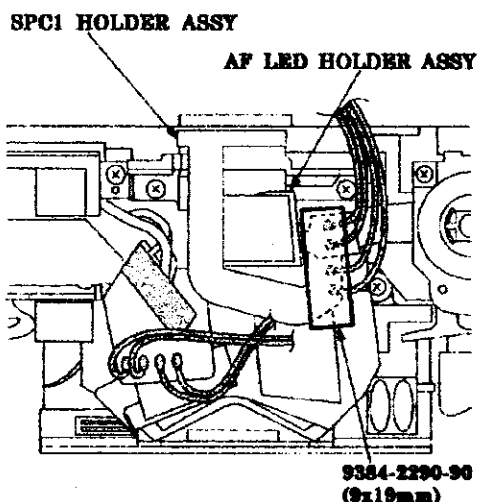
■ Fig. 4

After completing the SPC position adjustment, apply B-20 to the designated position.



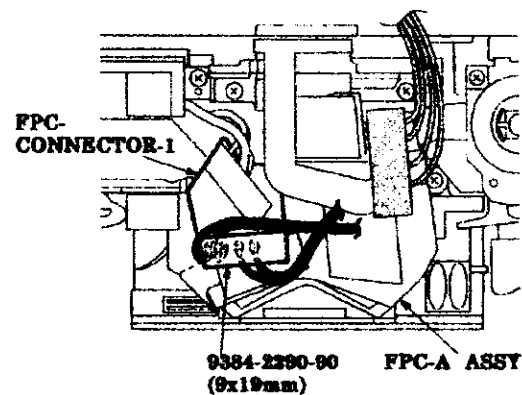
■ Fig. 5

Stick #9384-2290-90 to the designated position.



■ Fig. 6

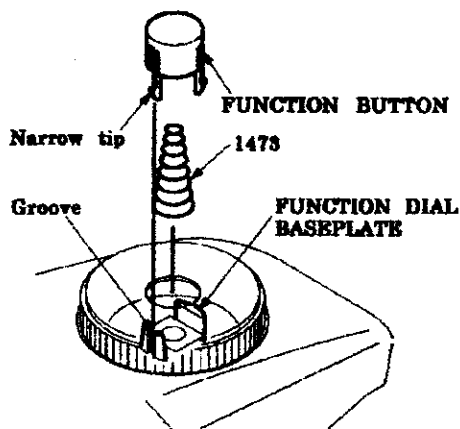
Stick #9384-2290-90 to the designated position.



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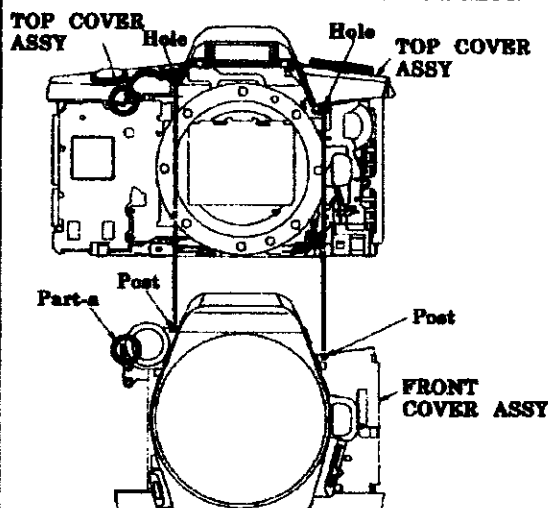
■ Fig. 7

Insert the narrow tip of **FUNCTION BUTTON** aligning with the groove of **FUNCTION DIAL BASEPLATE**.



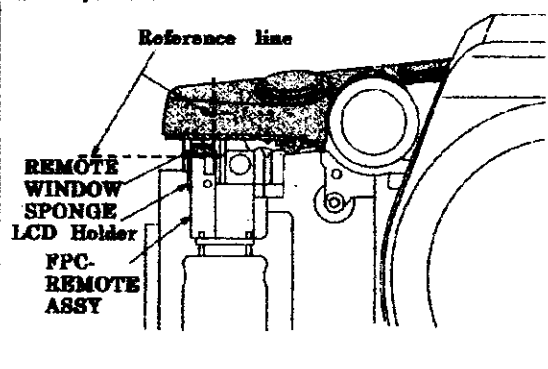
■ Fig. 8

Align the part-a of **FRONT COVER ASSY** fitting to **TOP COVER ASSY**, and insert the posts of **FRONT COVER ASSY** to the holes of **TOP COVER ASSY**.



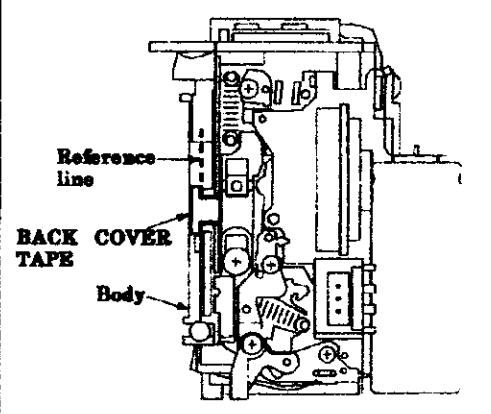
■ Fig. 9

Stick **REMOTE WINDOW SPONGE** to the designated position.



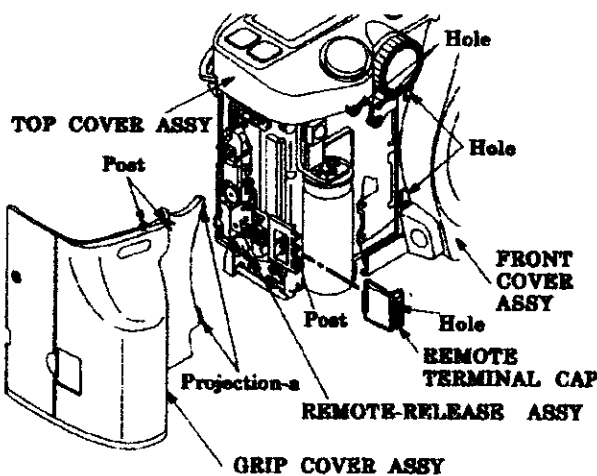
■ Fig. 10

Stick **BACK COVER TAPE** to the designated position.



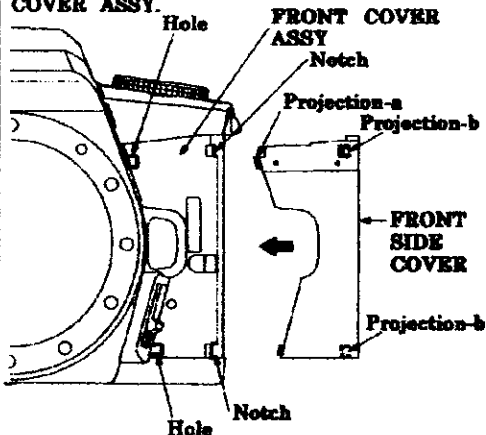
■ Fig. 11

1. Fit the hole of **REMOTE TERMINAL CAP** to the post of **REMOTE-RELEASE ASSY**.
2. Insert the projections-a of **GRIP COVER ASSY** fitting to the holes of **FRONT COVER ASSY**, and fit the post of **GRIP COVER ASSY** to the hole of **TOP COVER ASSY**.



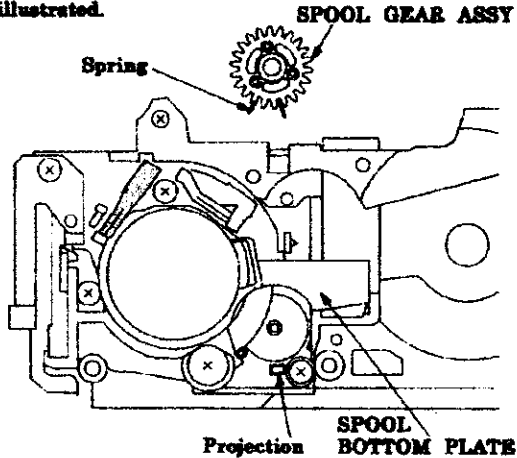
■ Fig. 12

Align **FRONT SIDE COVER** in arrow direction, then insert the projections-a fitting to the holes of **FRONT COVER ASSY** and projections-b to the notches of **FRONT COVER ASSY**.



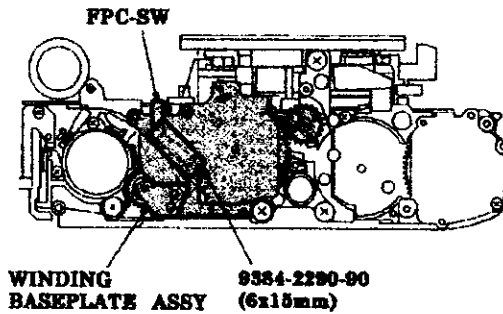
■ Fig. 13

Insert the spring of SPOOL GEAR ASSY fitting to the projection of SPOOL BOTTOM PLATE as illustrated.



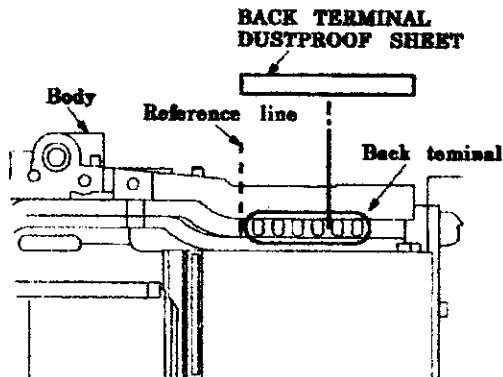
■ Fig. 15

Stick #9384-2290-90 to the designated position.



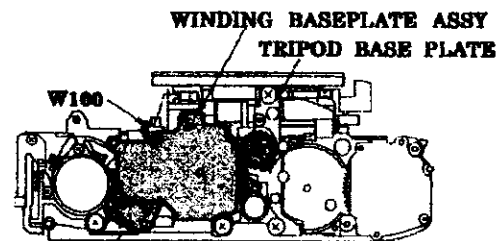
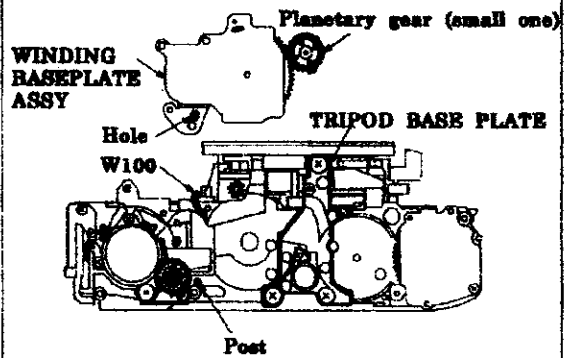
■ Fig. 17

Stick BACK TERMINAL DUSTPROOF SHEET to the designated position.



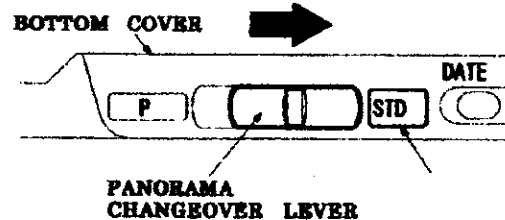
■ Fig. 14

Set the planetary gear as illustrated, and fit the Hole of WINDING BASEPLATE ASSY to the post of TRIPOD BASE PLATE. Fit the wire (W100) between WINDING BASEPLATE ASSY and TRIPOD BASE PLATE.



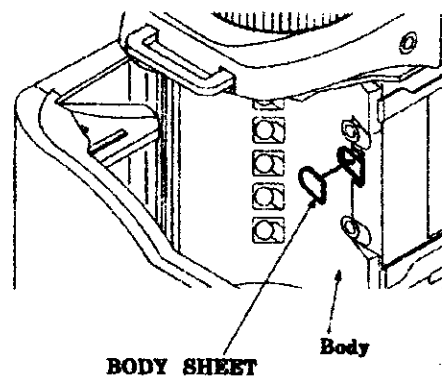
■ Fig. 16 (Panorama model only)

Set PANORAMA CHANGEOVER LEVER to the "STD." position, then install BOTTOM COVER.



■ Fig. 18

Stick BODY SHEET to the designated position.



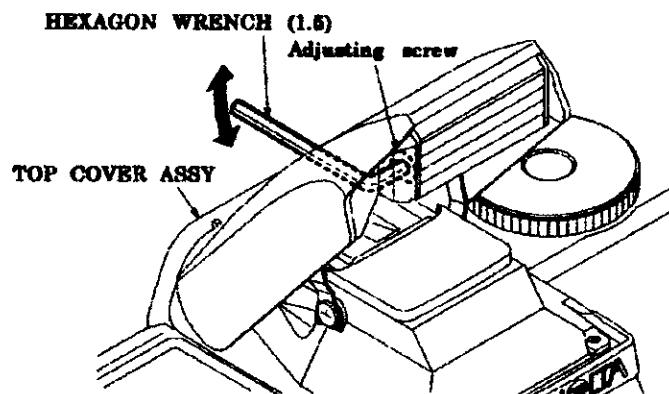
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■ Flash Pop-up/lock Check and Adjustment

While Built-in Flash is down, spank it lightly a few times.

Check: Built-in Flash should not pop-up.

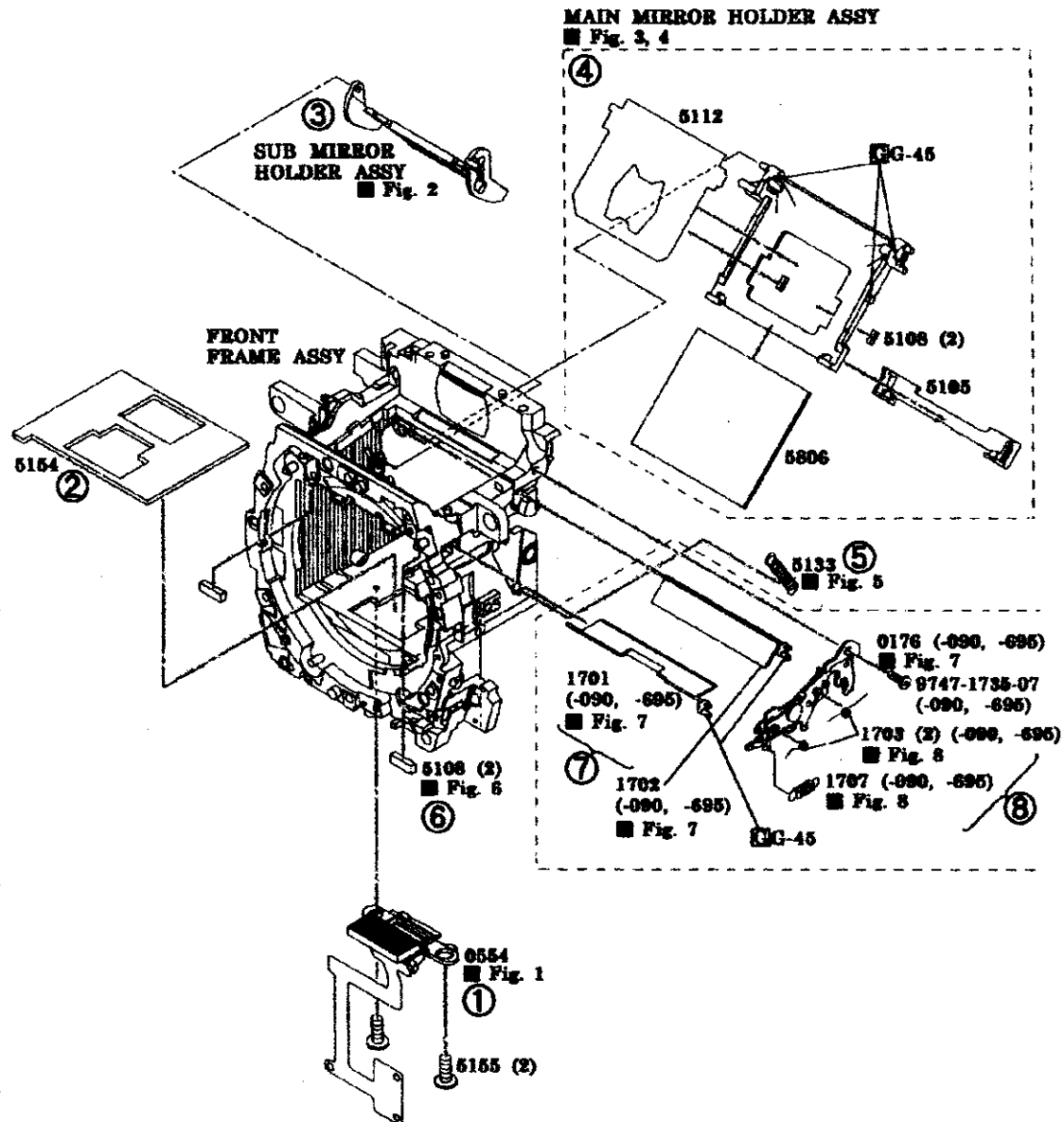
Adjustment: Turn the adjusting screw using Hexagon Wrench (1.5) as illustrated.



MIRROR BOX Assembly-I

Assemble Install the parts in order from 1 to 8.

MIRROR BOX ASSY

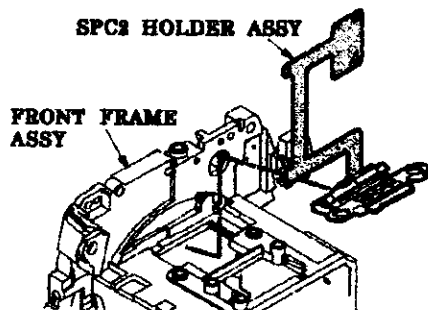


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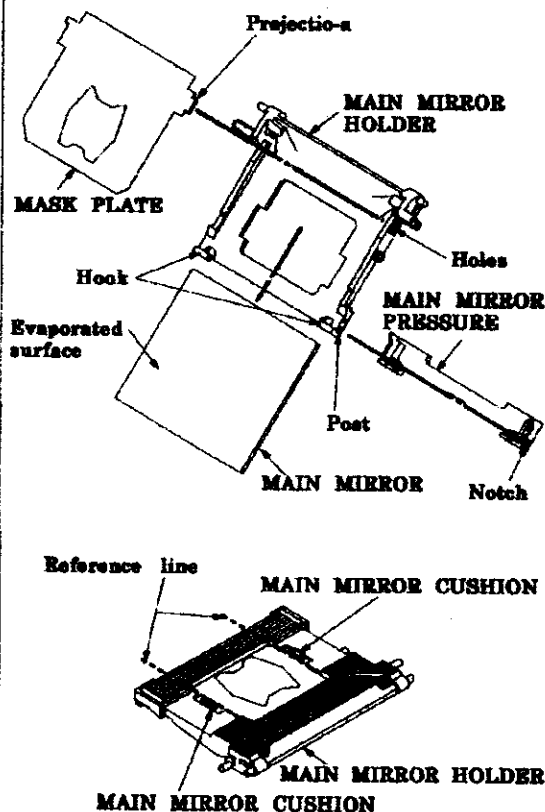
■ Fig. 1

Insert the tip of SPC2 HOLDER ASSY properly to FRONT FRAME ASSY.



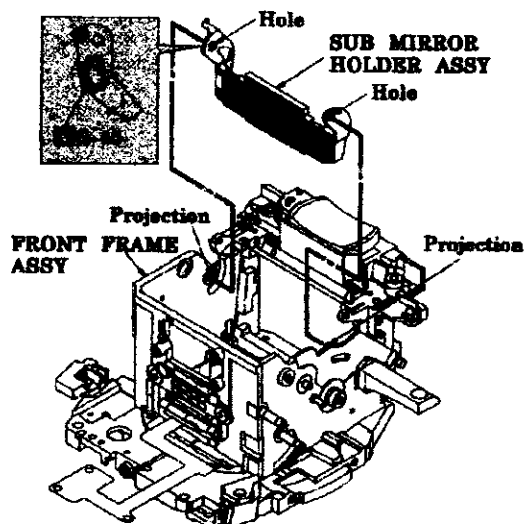
■ Fig. 3

1. Insert projection-a of MASK PLATE to the holes of MAIN MIRROR HOLDER ASSY.
2. Set the evaporated surface upwards, then insert the MAIN MIRROR to MIRROR HOLDER ASSY as illustrated.
3. Insert the posts of MAIN MIRROR HOLDER ASSY to the notches of MAIN MIRROR PRESSURE.
4. Stick MAIN MIRROR CUSHION to the designated position.



■ Fig. 2

1. Apply G-45 to the designated position.
2. Align SUB MIRROR HOLDER ASSY with FRONT FRAME ASSY as illustrated.
3. Insert the holes of SUB MIRROR HOLDER ASSY to the projections of FRONT FRAME ASSY.



■ Fig. 4

1. Insert MAIN MIRROR HOLDER ASSY to the upper side of SUB MIRROR HOLDER ASSY.
2. Insert the post-a of MAIN MIRROR HOLDER ASSY to the notch of SUB MIRROR HOLDER ASSY.
3. Insert a shaft of MAIN MIRROR HOLDER ASSY to the hole of FRONT FRAME ASSY, and bend MIRROR BOX ASSY slightly to fit the other shaft to the other hole.

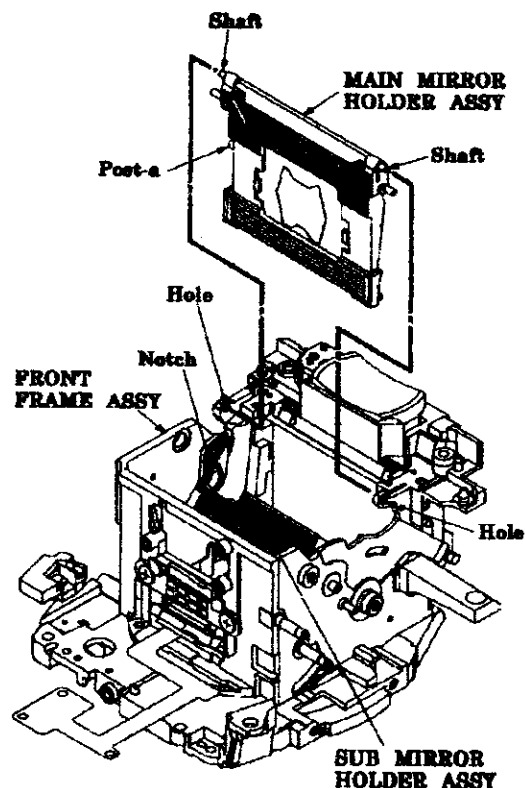


Fig. 5

Hook a tip of SUB MIRROR DRIVE SP as illustrated.

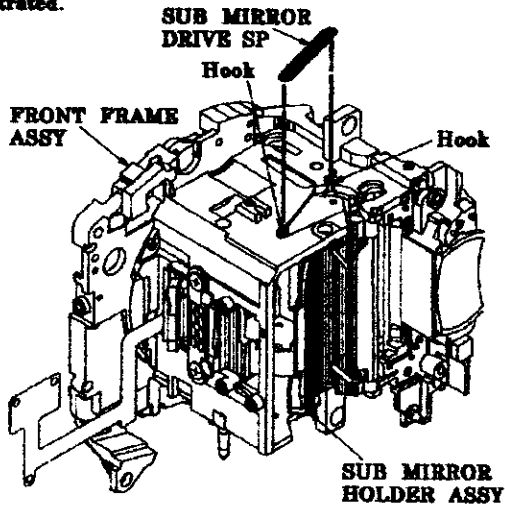


Fig. 6

ATTN: MAIN MIRROR CUSHION as illustrated.

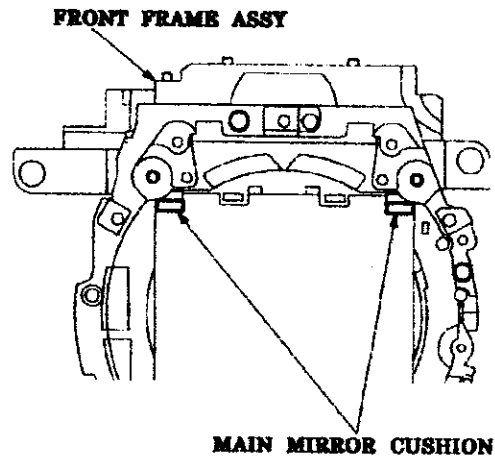
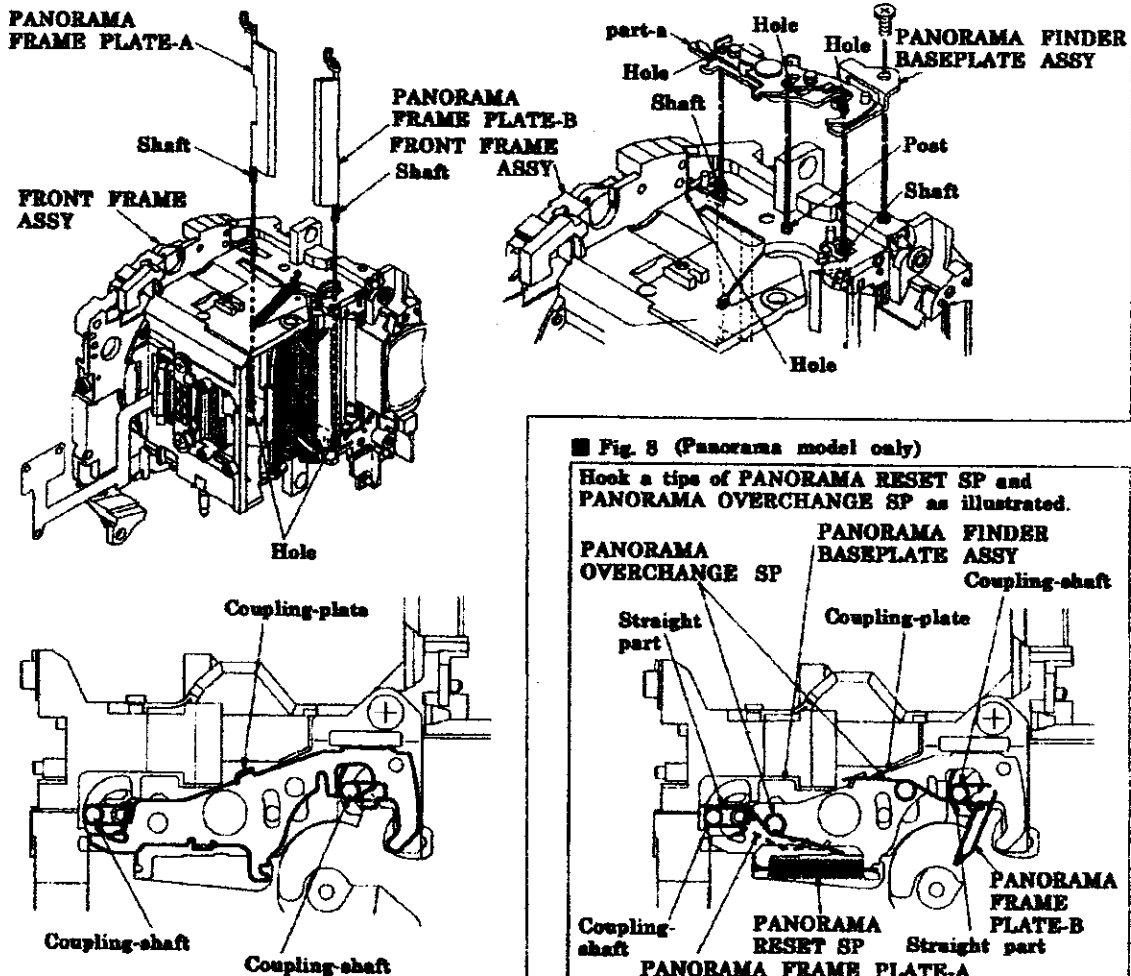


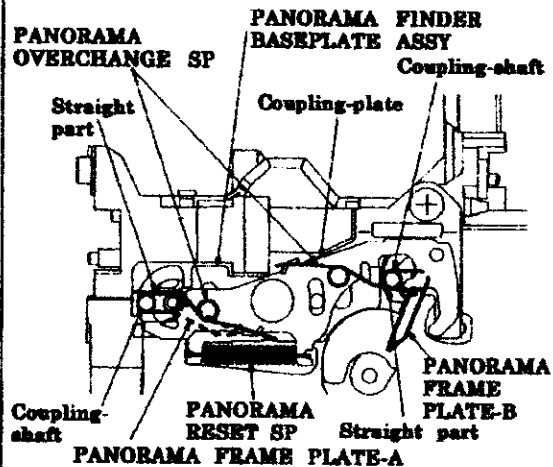
Fig. 7 (Panorama model only)

1. Insert the shafts of PANORAMA FRAME PLATE-A and -B to the holes of FRONT FRAME ASSY.
2. While inserting the part-a of PANORAMA FINDER BASEPLATE ASSY to the hole of FRONT FRAME ASSY, fit the holes of PANORAMA FINDER BASEPLATE ASSY to the shafts of PANORAMA FRAME PLATE-A and -B and the post of FRONT FRAME ASSY.
Confirm that the coupling-shafts of PANORAMA FRAME PLATE is fitting to the coupling-plate PANORAMA FINDER BASEPLATE ASSY



■ Fig. 8 (Panorama model only)

Hook a tip of PANORAMA RESET SP and PANORAMA OVERCHANGE SP as illustrated.



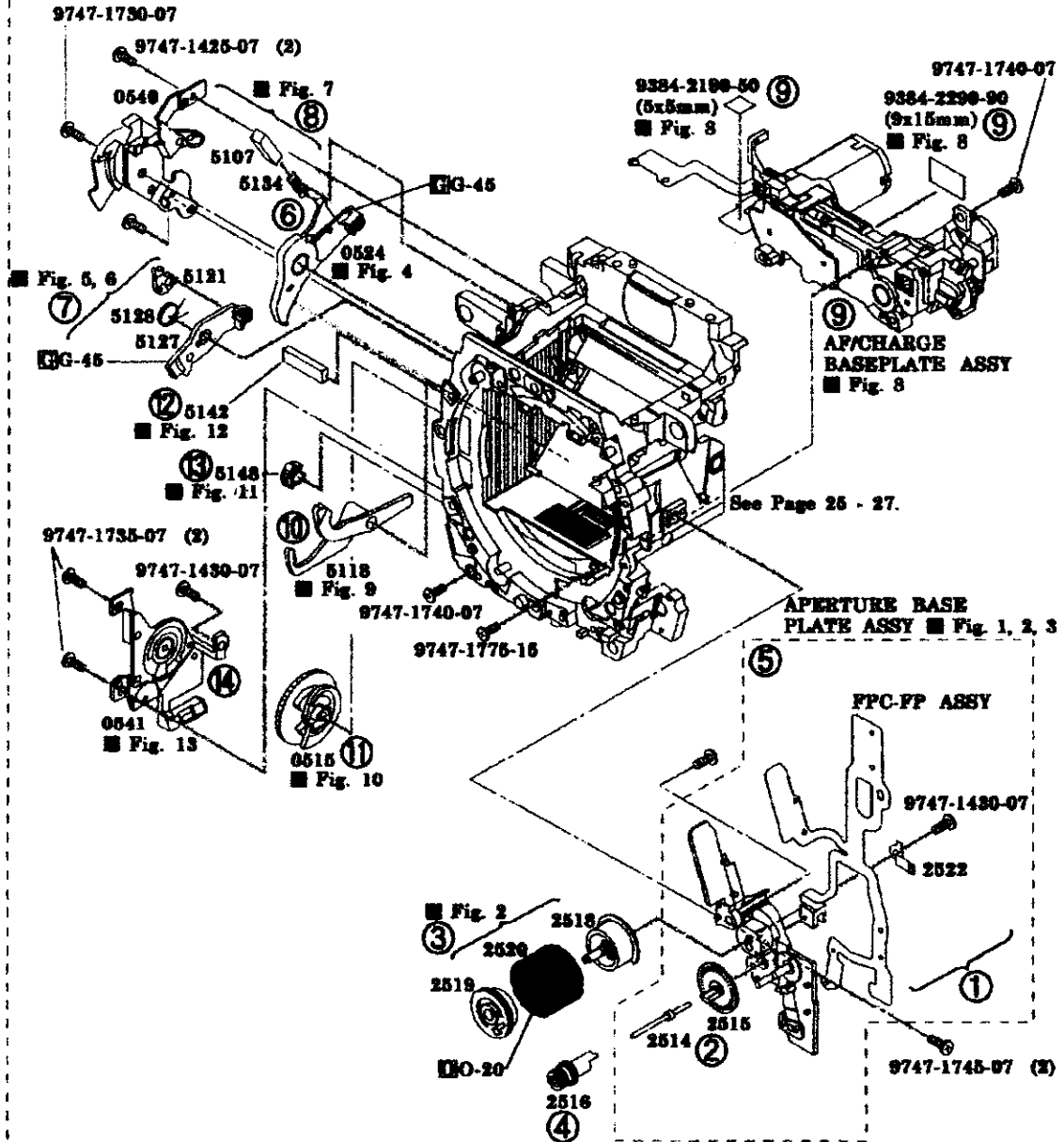
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MIRROR BOX Assembly-II

Assemble the parts in order from 1 to 14.

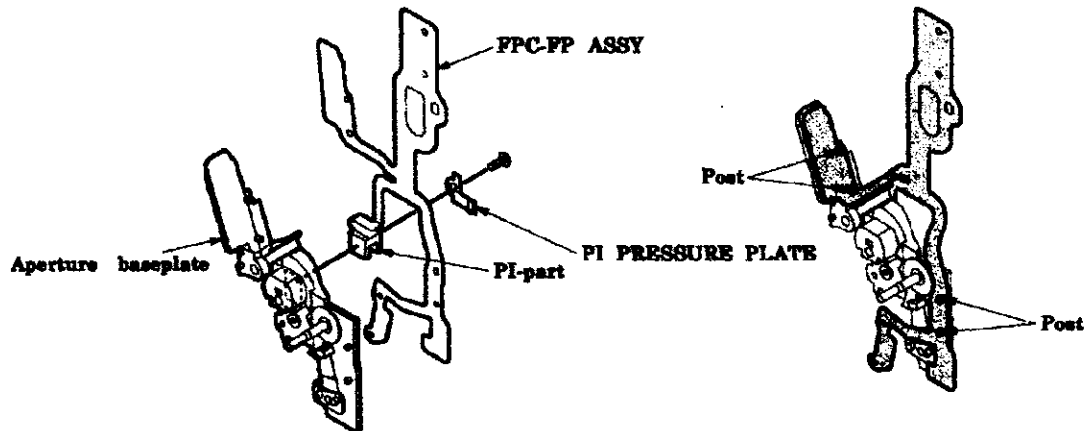
MIRROR BOX ASSY

REPAIR GUIDE



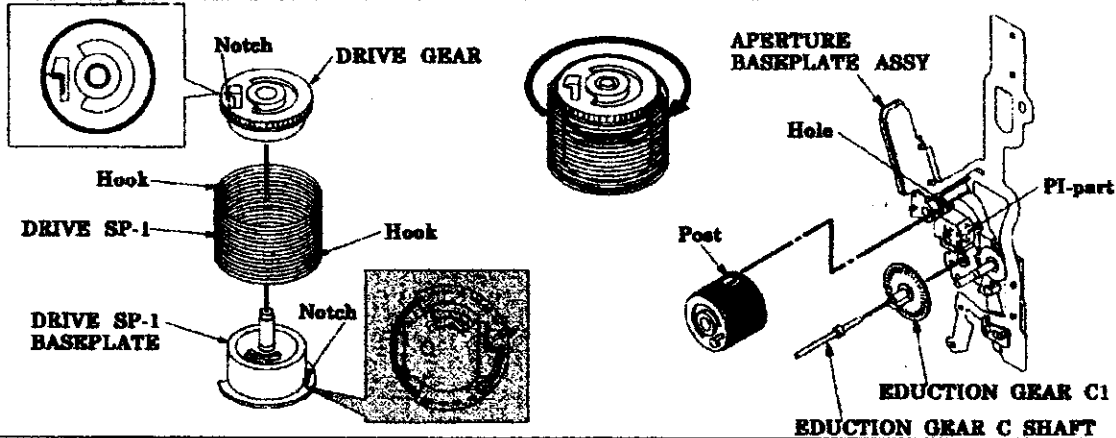
■ Fig. 1

1. Fold back FPC-FP ASSY as illustrated, then insert the PI-part to the aperture baseplate.
2. Fit the PI-part using PI PRESSURE PLATE.
3. Align the holes of FPC-FP ASSY fitting to the posts of the aperture baseplate.



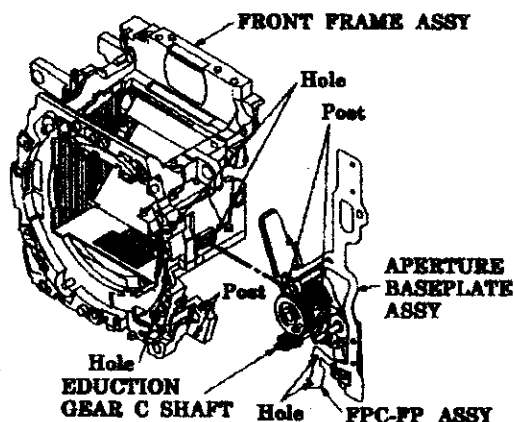
■ Fig. 2

1. Fit REDUCTION GEAR C1 to the gap of the PI-part, then insert REDUCTION GEAR C SHAFT.
2. Hook a tip of DRIVE SP-1 to the notch of DRIVE SP-1 BASEPLATE as illustrated.
3. Hook the other tip of DRIVE SP-1 to the notch of DRIVE GEAR as illustrated.
4. Turn DRIVE GEAR in arrow direction until it makes 3 clicks.
5. Fit the post of DRIVE SP-1 BASEPLATE to the hole of APERTURE BASEPLATE ASSY.



■ Fig. 3

1. Fit the post of APERTURE BASEPLATE ASSY and REDUCTION GEAR C SHAFT to the holes of MIRROR BOX.
2. Fit the holes of FPC-FP ASSY to the posts of FRONT FRAME ASSY.



■ Fig. 4

- Install DRIVE LEVER ASSY to FRONT FRAME ASSY as illustrated so that the shaft of MAIN MIRROR HOLDER ASSY comes in between the lever and the spring of DRIVE LEVER ASSY.

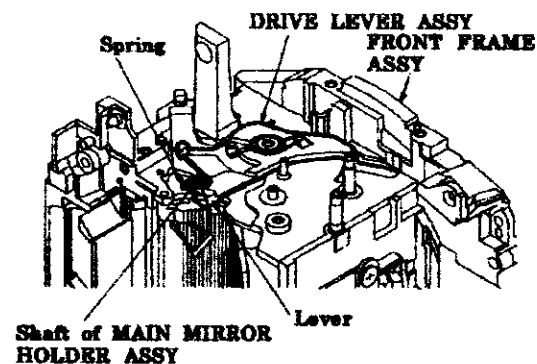


Fig. 5

1. Align CHARGE LEVER SP and CHARGE LEVER as illustrated.
2. Fit the projection of SHUTTER DETENT LEVER to the hole of the CHARGE LEVER, then turn SHUTTER DETENT LEVER in arrow direction. Be sure to hook a tip of CHARGE LEVER SP to the post of SHUTTER DETENT LEVER.

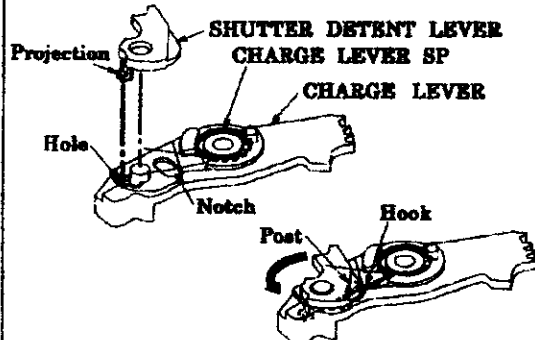


Fig. 6

- Insert SHUTTER DETENT LEVER to MIRROR BOX ASSY as illustrated, then hook the other tip of CHARGE LEVER SP to the post of FRONT FRAME ASSY.

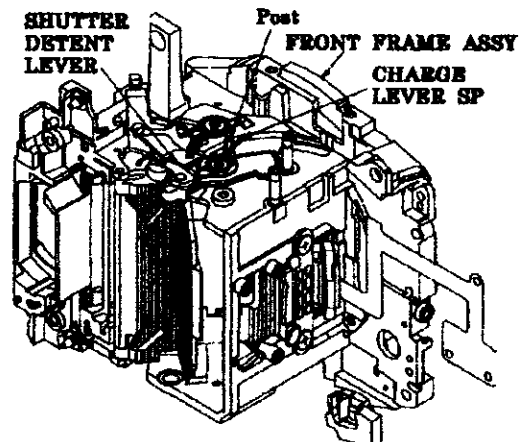
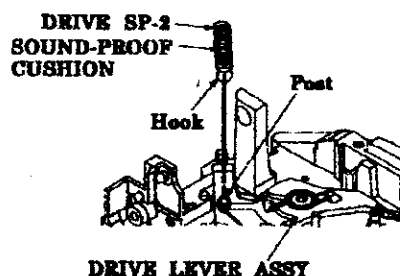


Fig. 7

1. Insert SOUND-PROOF CUSHION to DRIVE SP-2, and hook a tip of DRIVE SP-2 to the projection of DRIVE LEVER ASSY.
2. Insert the shaft of the MAIN MIRROR HOLDER ASSY to the oval hole of PRESSURE PLATE-A ASSY, and fit its holes to the posts of CHARGE LEVER and FRONT FRAME ASSY.
3. Hook the other tip of DRIVE SP-2 to the post of FRONT FRAME ASSY.



Shaft of MAIN MIRROR HOLDER ASSY

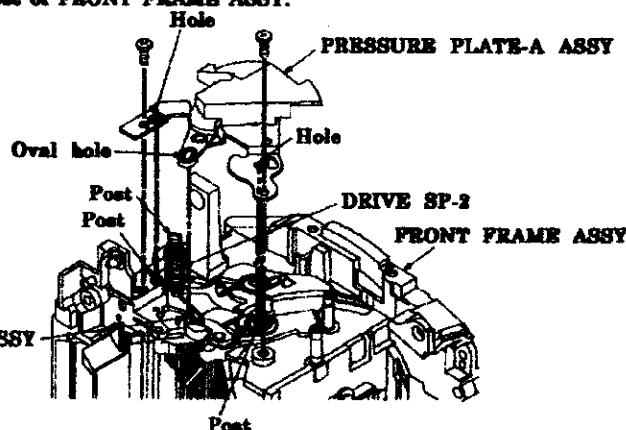
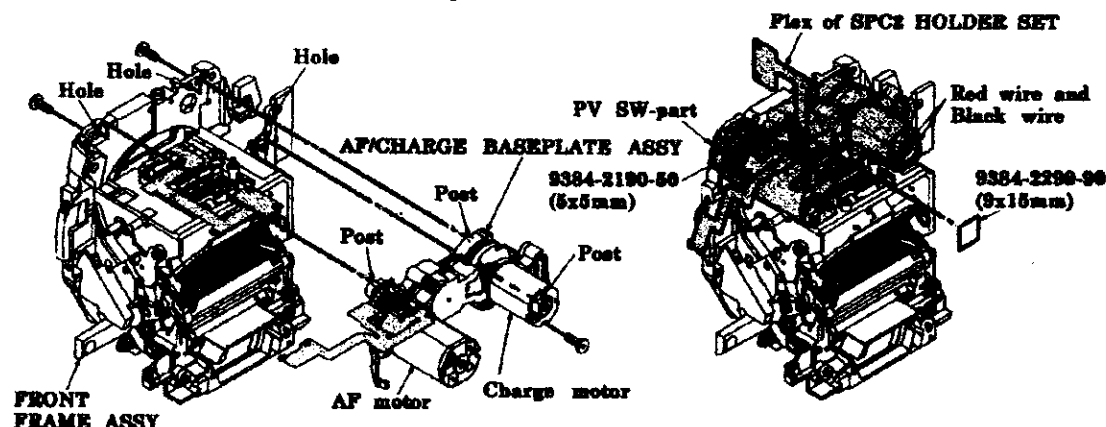


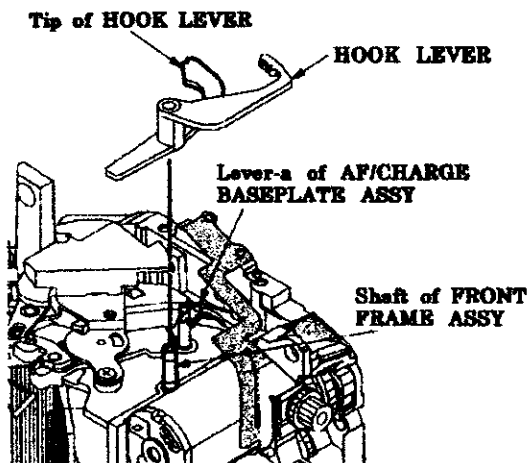
Fig. 8

1. Insert AF/CHARGE BASEPLATE ASSY with the charge motor side first to FRONT FRAME ASSY fitting its posts to the hole.
2. Stick #9384-2190-90 to affix the flex of SPC2 HOLDER SET as illustrated.
3. Arrange the flexes and the lead wires as illustrated.
4. Stick #9384-2190-50 to affix the PV SW-part of AF/CHARGE BASEPLATE ASSY.



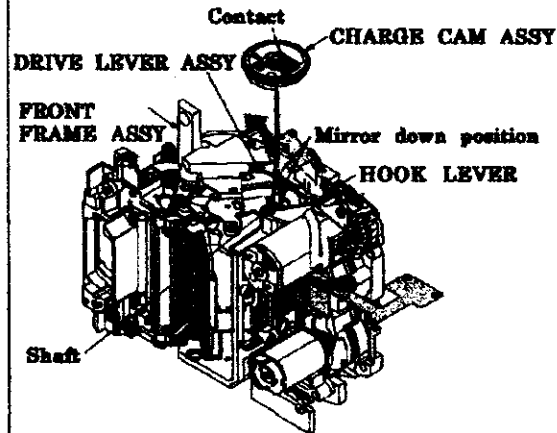
■ Fig. 9

Align the tip of HOOK LEVER under the lever-a of AF/CHARGE BASEPLATE ASSY, then fit HOOK LEVER to the shaft of MIRROR BOX ASSY.



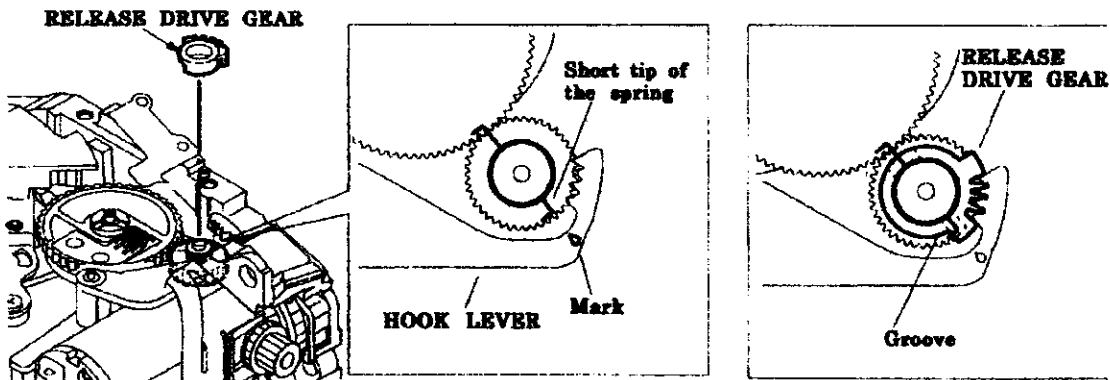
■ Fig. 10

1. Turn the DRIVE LEVER ASSY and the HOOK LEVER in arrow direction so that DRIVE LEVER ASSY looks to set mirror to down position.
2. Insert CHARGE CAM ASSY to the shaft of FRONT FRAME ASSY as illustrated.



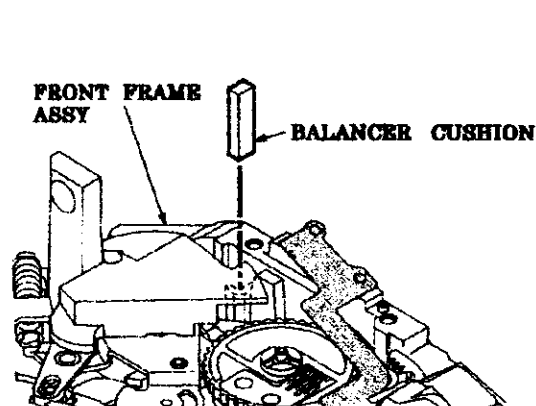
■ Fig. 11

1. Align the mark of HOOK LEVER with the short tip of the designated spring of AF/CHARGE BASEPLATE ASSY.
 2. Hook the tip mentioned above to the groove of RELEASE DRIVE GEAR aligning the teeth of the gears as illustrated.
- Make sure RELEASE DRIVE GEAR is firmly seated.



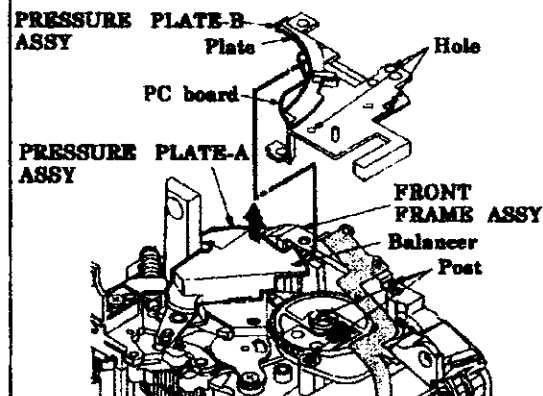
■ Fig. 12

Attach BALANCER CUSHION as illustrated.



■ Fig. 13

1. Keep the balancer part of PRESSURE PLATE-A ASSY slightly upwards then insert the balancer between the plate and PC board of PRESSURE PLATE-B ASSY.
2. Fit the posts of FRONT FRAME ASSY to the holes of PRESSURE PLATE-B ASSY.



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MIRROR BOX Assembly-III

Assemble the parts in order from 1 to 12.

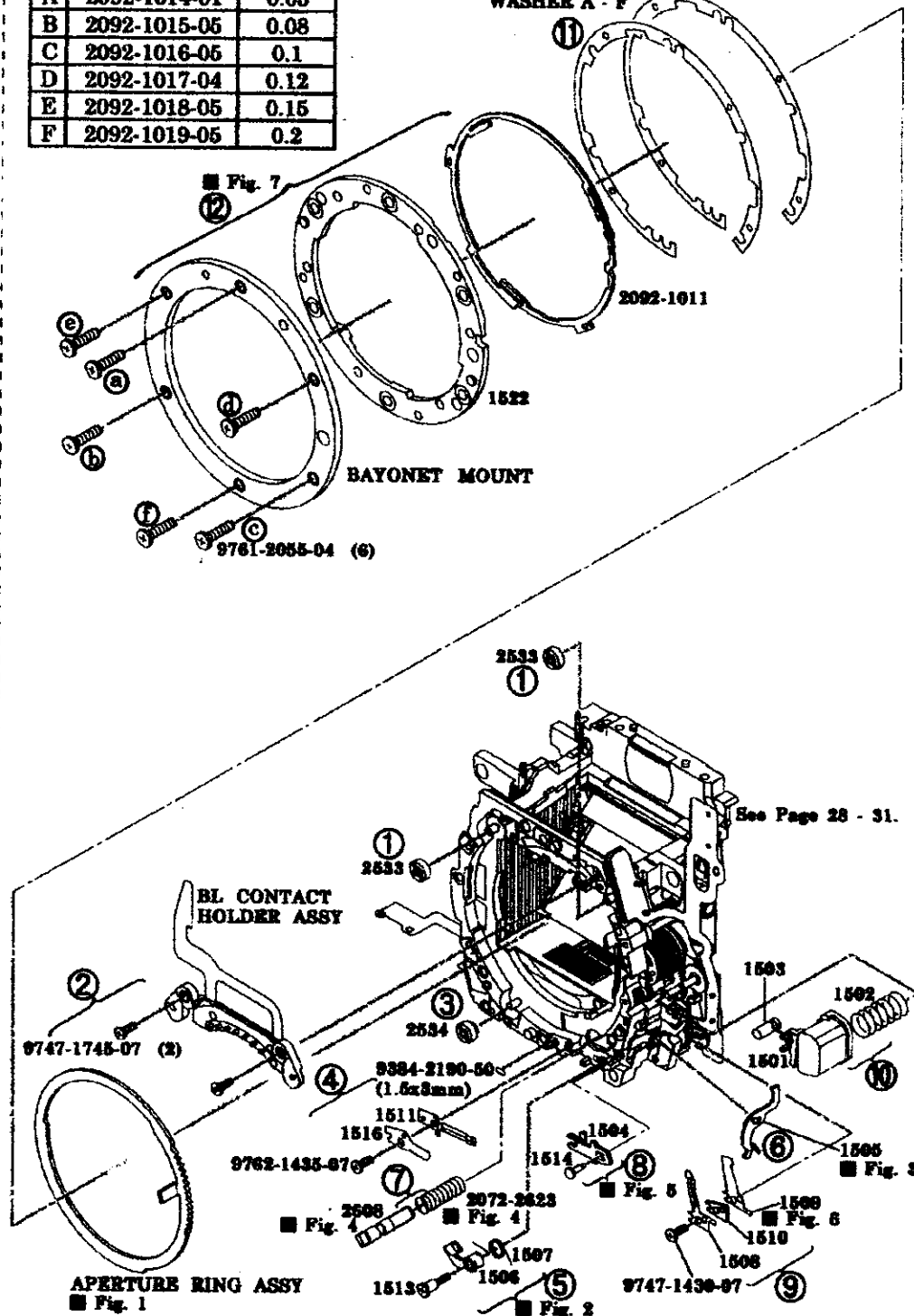
MIRROR BOX ASSY

BB ADJUSTMENT WASHER A - F

	Parts No.	T=(mm)
A	2092-1014-01	0.05
B	2092-1015-05	0.08
C	2092-1016-05	0.1
D	2092-1017-04	0.12
E	2092-1018-05	0.15
F	2092-1019-05	0.2

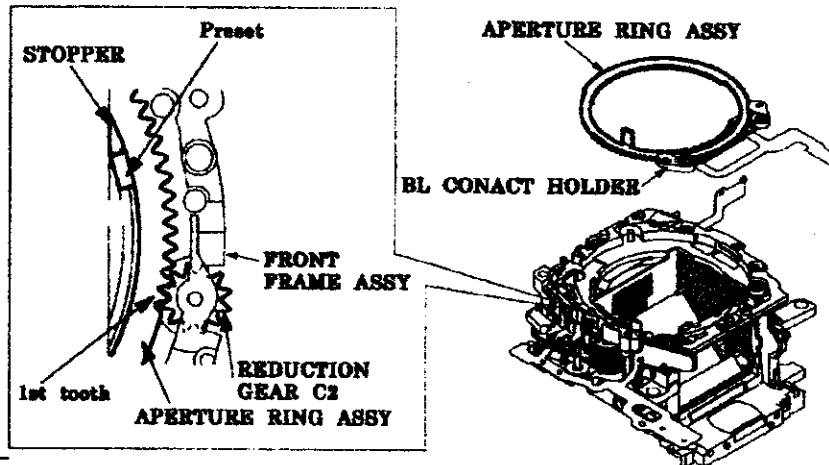
BB ADJUSTMENT WASHER A - F

REPAIR GUIDE



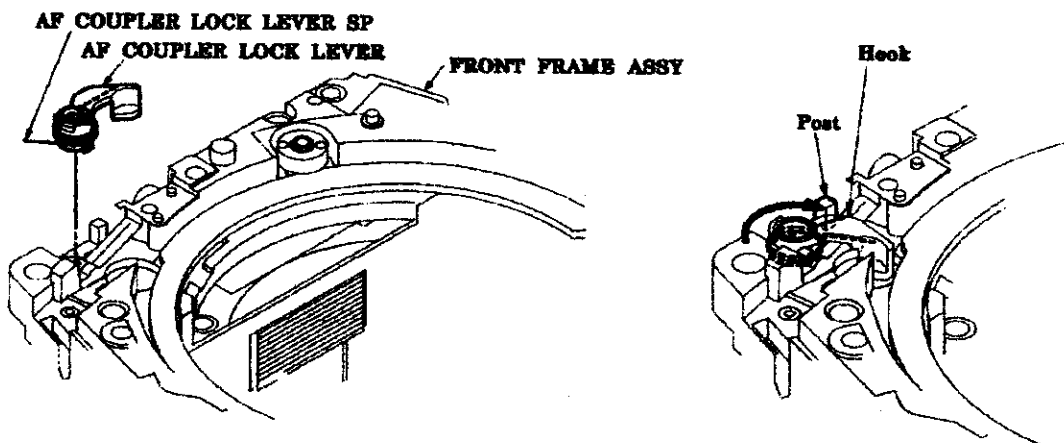
■ Fig. 1

1. Set BL CONACT HOLDER ASSY and APERTURE RING ASSY as illustrated.
2. Insert the 1st tooth of APERTURE RING ASSY to REDUCTION GEAR C2 as illustrated. Confirm that there is no clearance between the stopper of FRONT FRAME ASSY and the Praset of APERTURE RING ASSY.



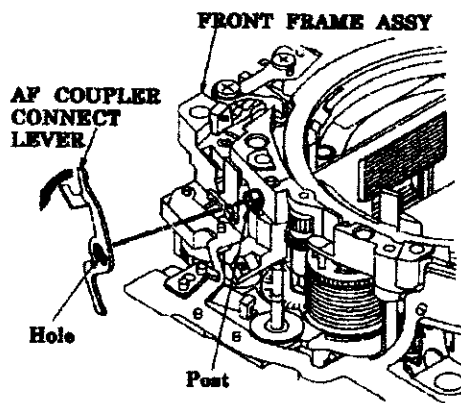
■ Fig. 2

1. Hook a tip of AF COUPLER LOCK LEVER SP to AF COUPLER LOCK LEVER fitting them to FRONT FRAME ASSY.
2. Hook the other tip of AF COUPLER LOCK LEVER SP to the post of FRONT FRAME ASSY.



■ Fig. 3

Fit the hole of AF COUPLER CONNECT LEVER to the post of FRONT FRAME ASSY, then turn AF COUPLER CONNECT LEVER in arrow direction.



■ Fig. 4

1. Align the opening-part of COUPLER SPRING with the shaft of AF COUPLER to install.
2. Holding AF COUPLER LOCK LEVER obliquely, align the shaft of AF COUPLER with the AF coupler groove of AF/CHARGE BASEPLATE ASSY to install, then release AF COUPLER LOCK LEVER.

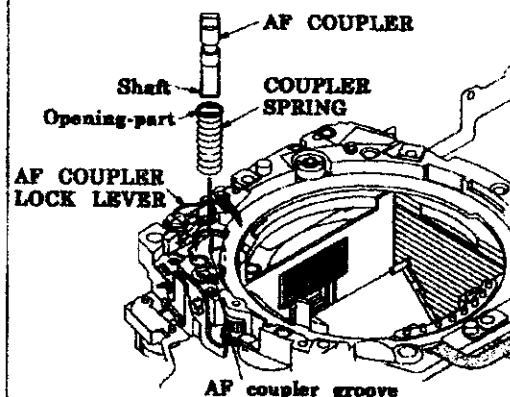


Fig. 5

1. Align AF COUPLER LEVER as illustrated, then slide it in arrow direction to fit.
2. Insert AF COUPLER LEVER SHAFT to the designated position.

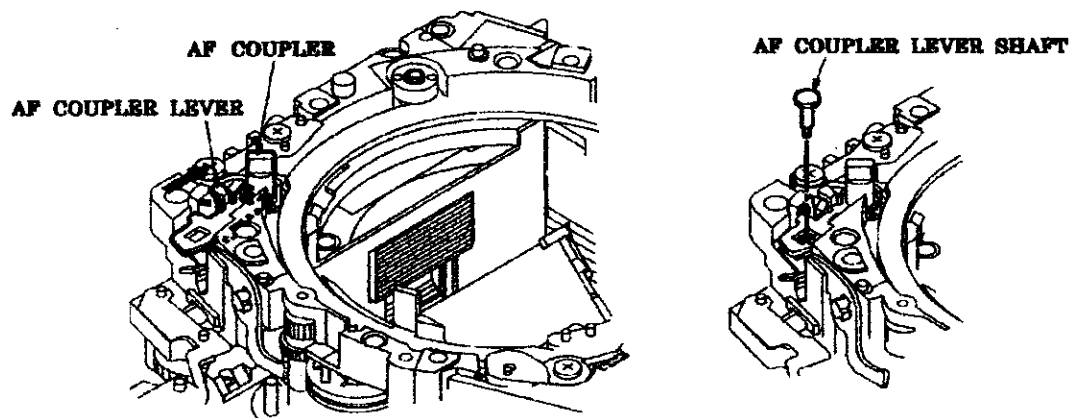


Fig. 6

Install the tip of SLK CONTACT-B beneath the projection of APERTURE BASE PLATE ASSY.

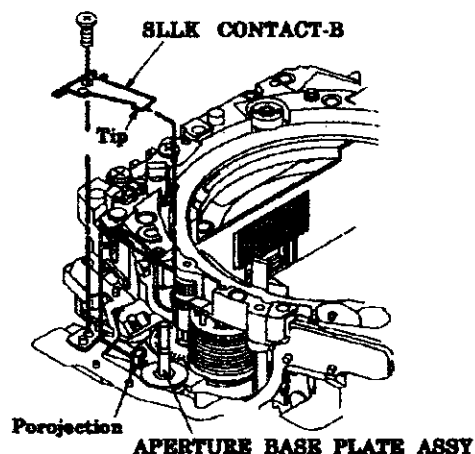
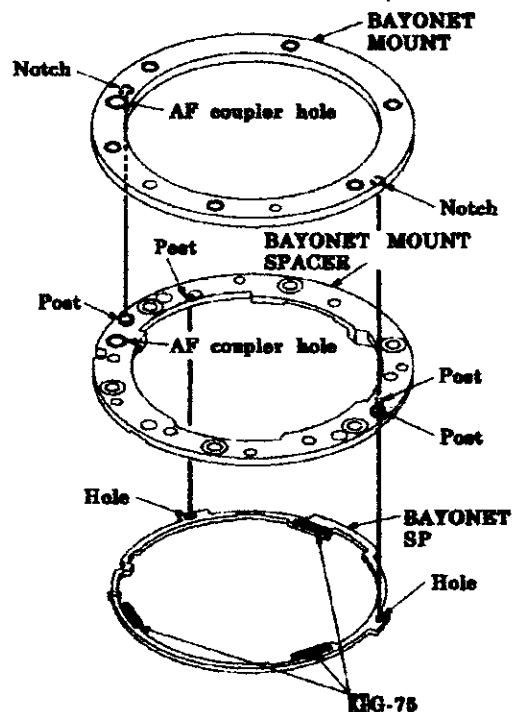


Fig. 7

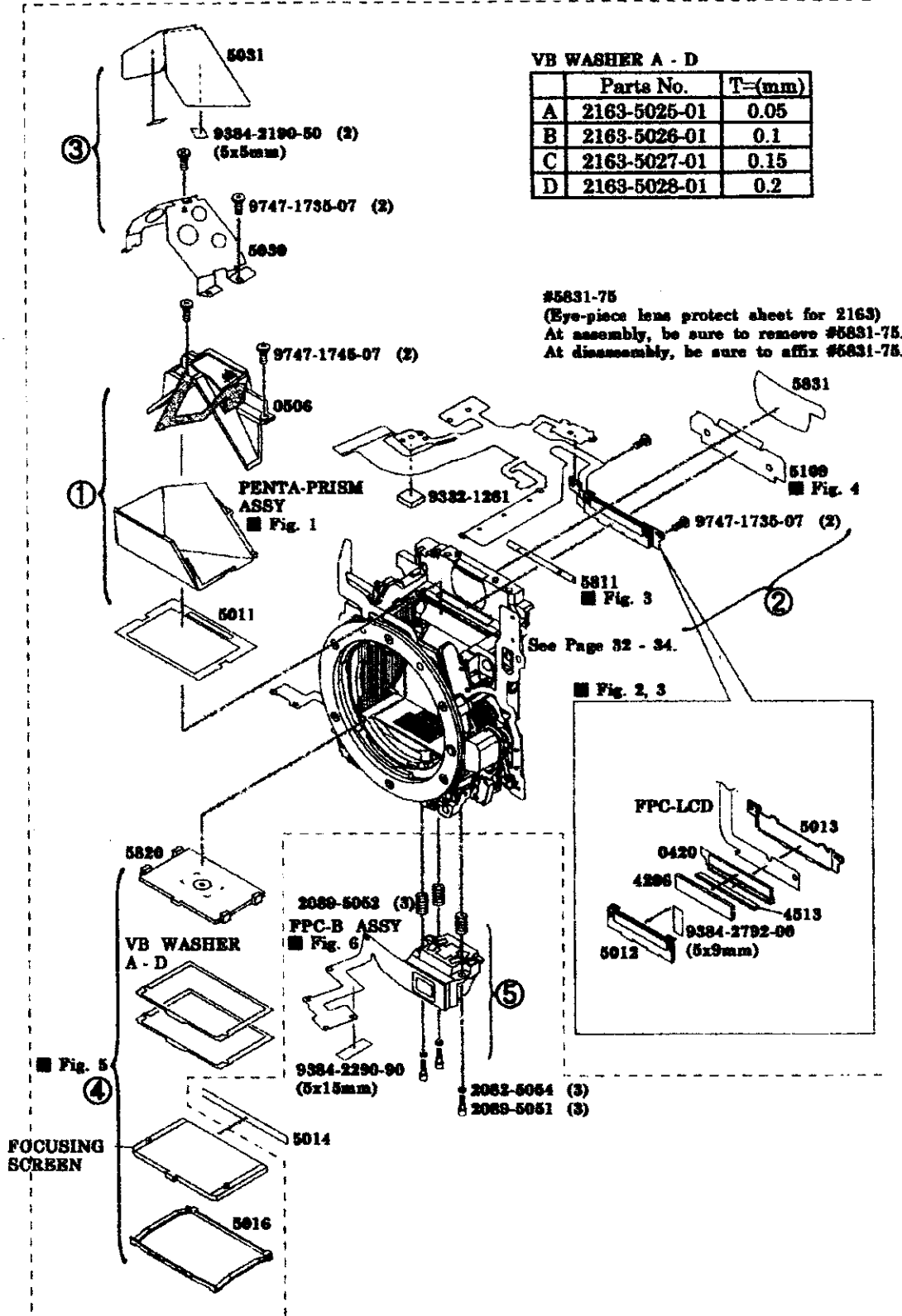
1. Apply G-75 to the designated position of BAYONET SP.
2. Install BAYONET SP aligning its holes with the posts of BAYONET MOUNT SPACER as illustrated.
3. Fit the posts of BAYONET MOUNT SPACER to the notches of BAYONET MOUNT aligning the AF coupler holes of BAYONET MOUNT and BAYONET MOUNT SPACER.



MIRROR BOX Assembly-V, FPC-B ASSY Installation

Assemble the parts in order from 1 to 5.

MIRROR BOX ASSY



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Fig. 1

Apply B-50 to the designated positions of MIRROR BOX ASSY and PENTA-PRISM ASSY.

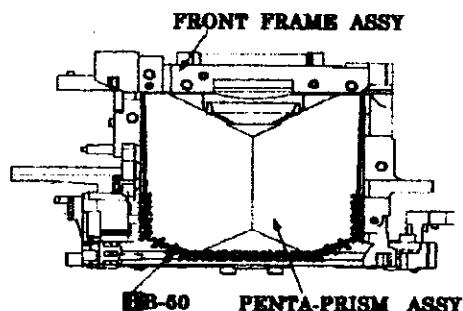


Fig. 3

1. Fit IF PRISM to MIRROR BOX ASSY as illustrated.
2. Fit the holes of LCD2 HOLDER to the projections of MIRROR BOX ASSY. Arrange the lead wires (W36 and W37) as illustrated.

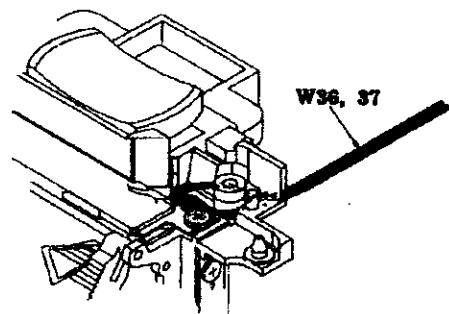
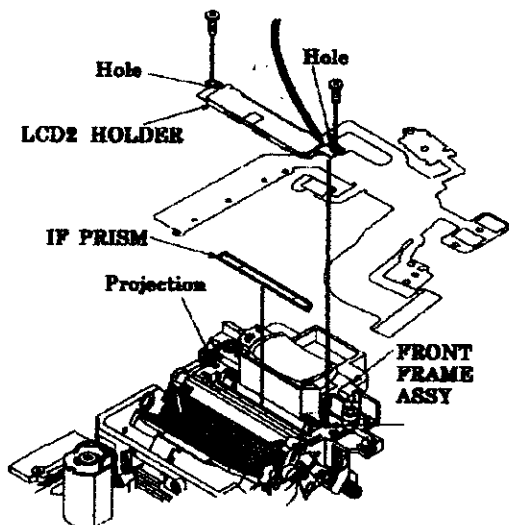


Fig. 2

1. Hold the holes of FPC-LCD to the posts of the IF BACK LIGHT LED ASSY.
2. Install the hole of LCD2 HOLDER to the posts of the IF BACK LIGHT LED ASSY. Be sure to insert FPC-LCD inside the parts-a of LCD2 HOLDER.
3. Set LCD2 CONNECTOR and LCD2, and affix them with #9384-2792-00 as illustrated.
4. Hook the tip of LCD2 PRESSURE to LCD2 HOLDER.

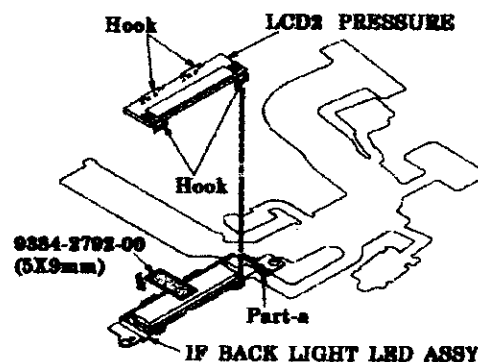
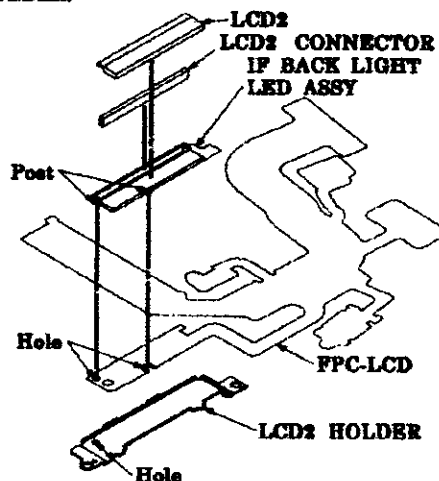
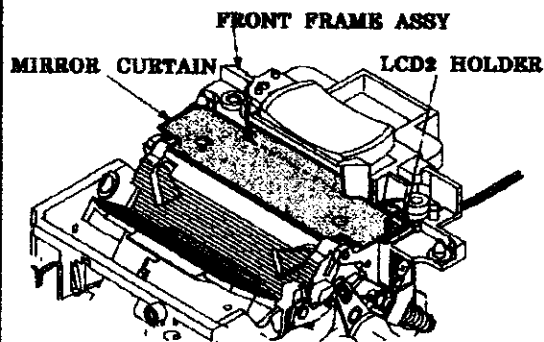


Fig. 4

Affix MIRROR CURTAIN as illustrated.



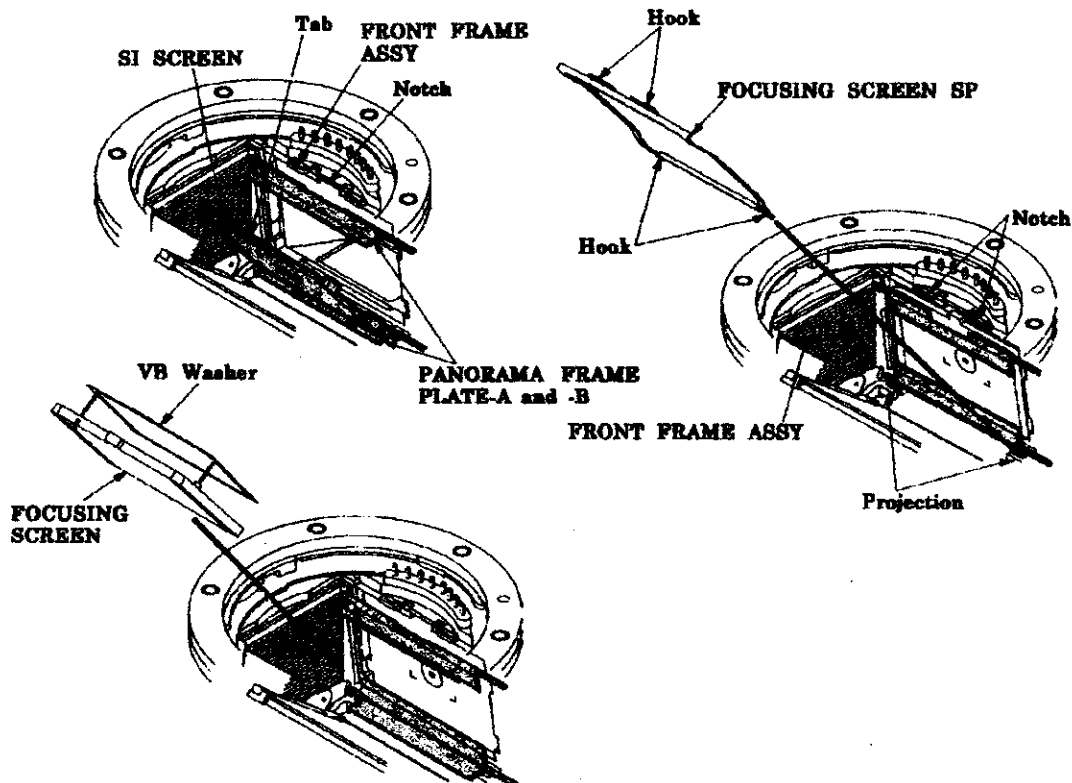
■ Fig. 5 SI SCREEN, FOCUSING SCREEN Removal/Installation

Removal

1. Set to the Panorama mode (Panorama model only).
2. Disengage the hook tip of FOCUSING SCREEN SP, and turn it by 45 degrees to remove.
3. Set to the Standard mode (Panorama model only).
4. Remove FOCUSING SCREEN and VB WASHER(s).
5. Remove SI SCREEN.

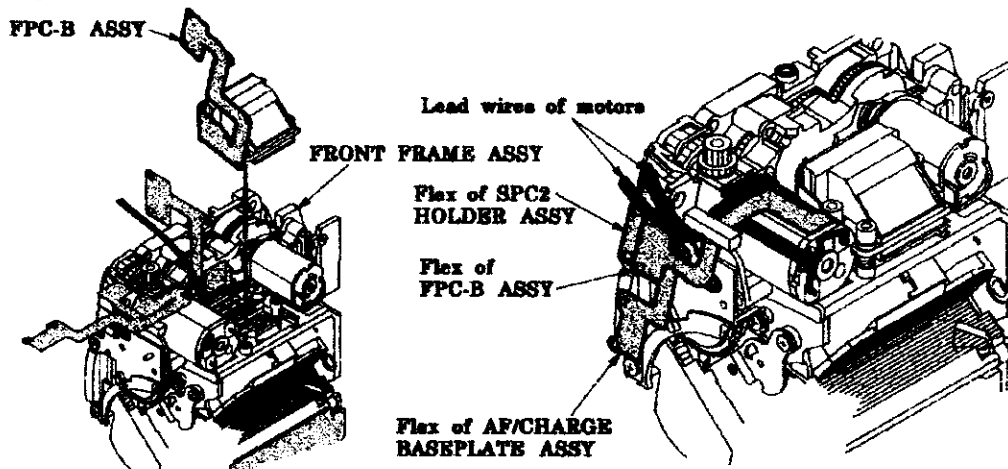
Installation

1. Set to the Standard mode (Panorama model only).
2. Fit the tab of SI SCREEN to the notch of MIRROR BOX ASSY to install.
3. Install FOCUSING SCREEN and VB WASHER.
4. Set to the Panorama mode (Panorama model only).
5. Holding FOCUSING SCREEN SP at 45 degrees, then fit it to the projections of MIRROR BOX ASSY.
6. Hook the tip of FOCUSING SCREEN SP to the notch of MIRROR BOX ASSY.



■ Fig. 6

1. Arrange FPC-B ASSY as illustrated to install to MIRROR BOX ASSY.
2. Arrange the flexes and the lead wires as illustrated.

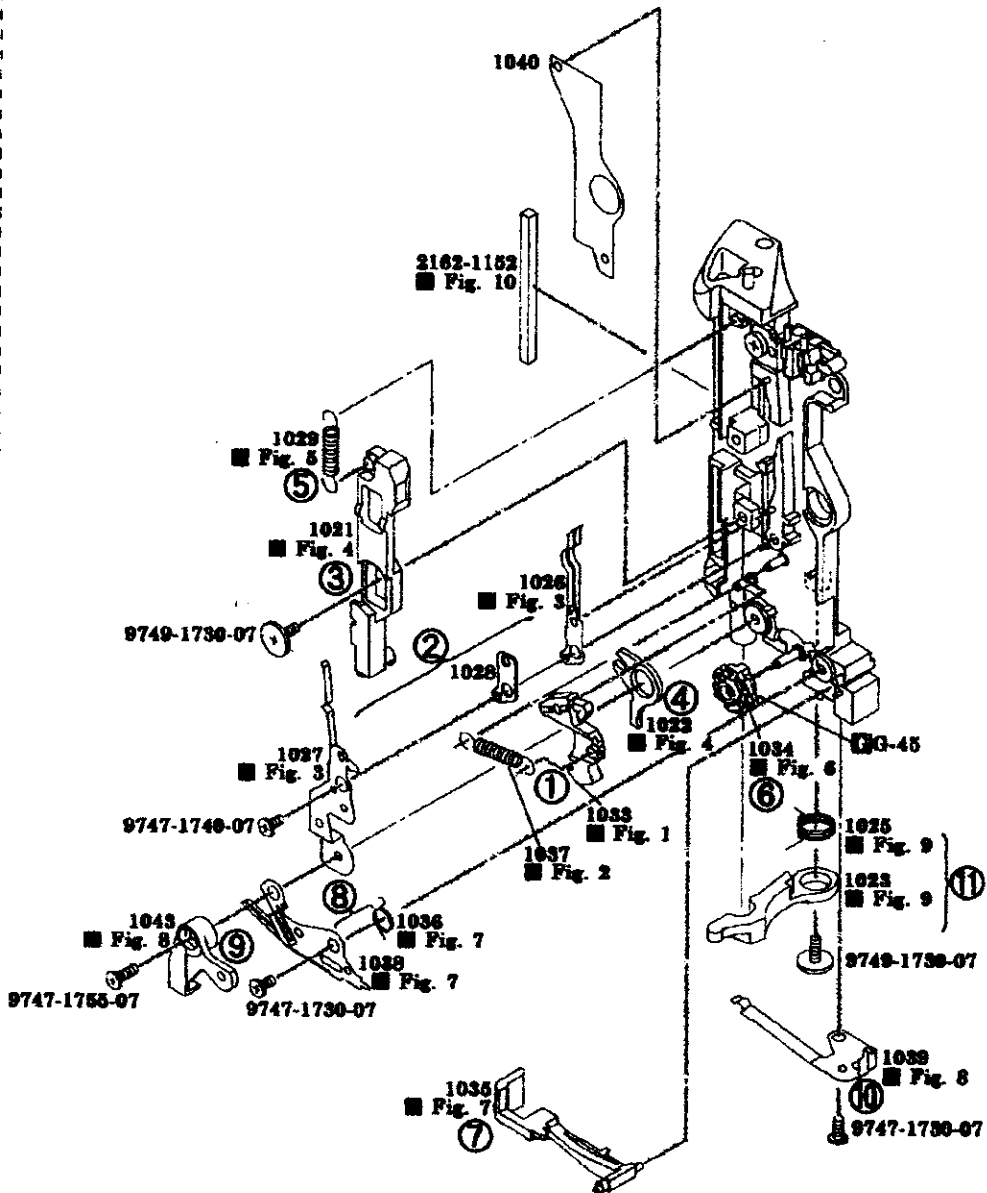


SAFETY LOCK BASEPLATE ASSY Assembly

Assemble the parts in order from 1 to 11.

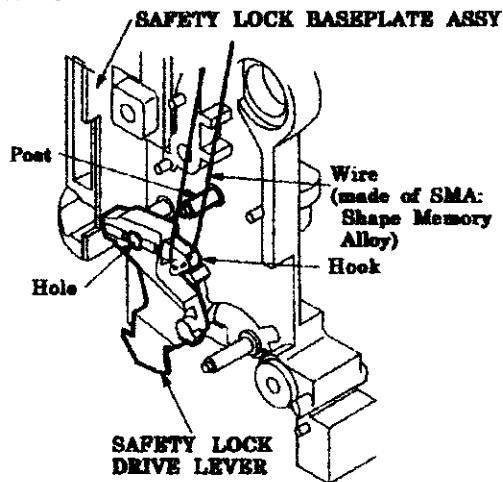
SAFETY LOCK BASEPLATE ASSY

REPAIR GUIDE



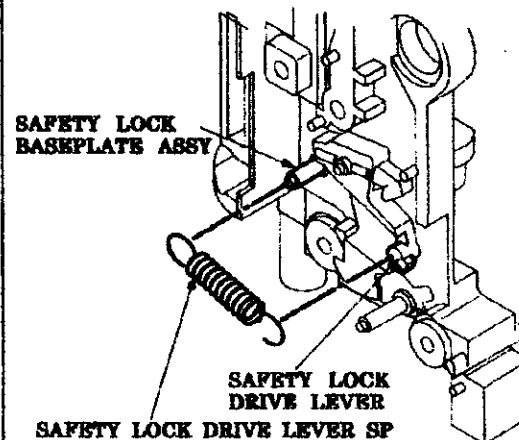
■ Fig. 1

Hang a wire of SMA (Shape Memory Alloy) to the hook of SAFETY LOCK DRIVE LEVER, then install its hole fitting to the post SAFETY LOCK BASEPLATE ASSY.



■ Fig. 2

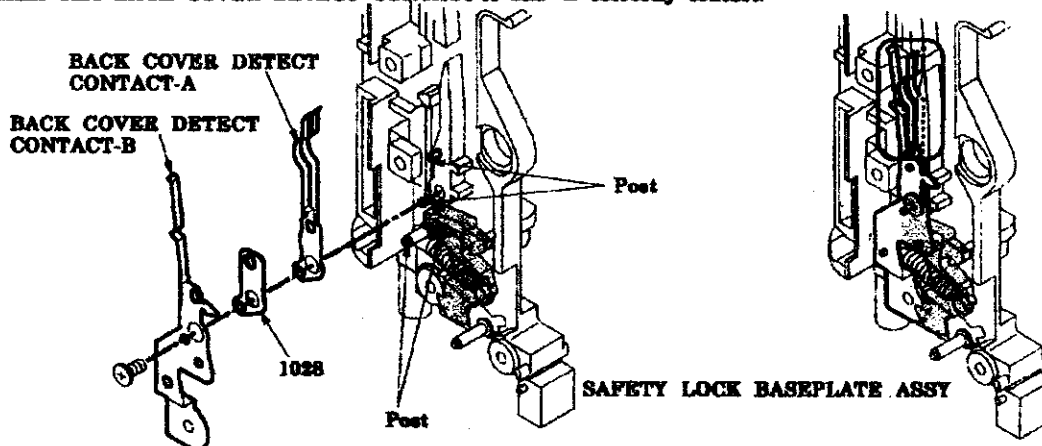
Hook the tip of SAFETY LOCK LOCK SP as illustrated.



■ Fig. 3

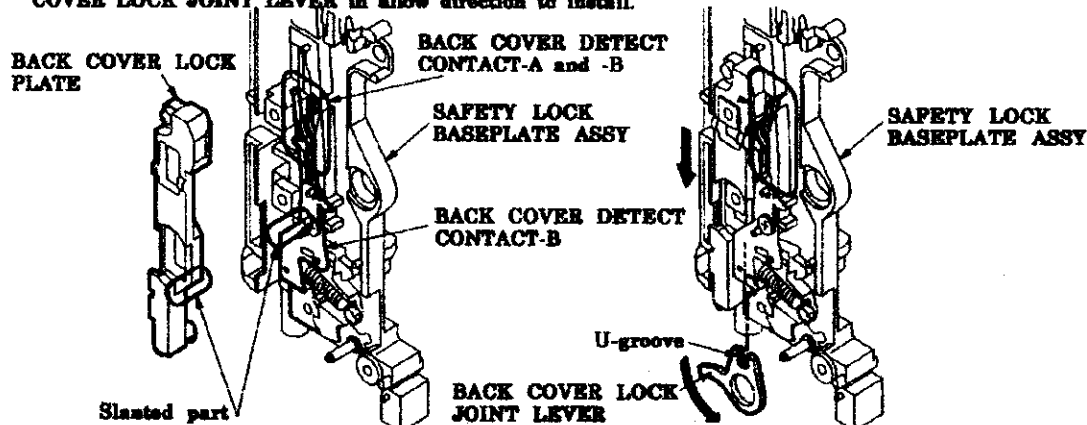
Install BACK COVER DETECT CONTACT-A and -B to the posts of SAFETY LOCK BASEPLATE ASSY as illustrated.

Make sure BACK COVER DETECT CONTACT-A and -B correctly contact.



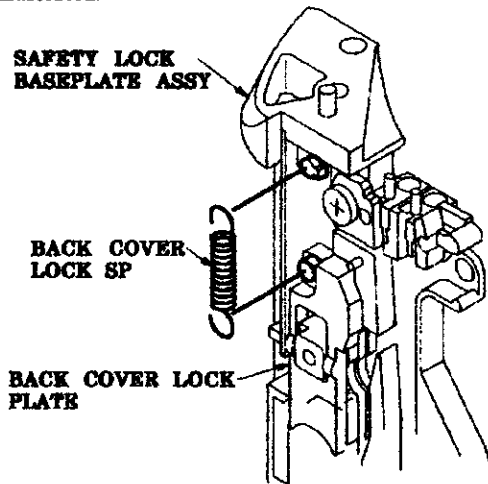
■ Fig. 4

1. Align the slanted part of BACK COVER DETECT CONTACT-B with that of BACK COVER LOCK PLATE to install, then slide BACK COVER LOCK PLATE down. Make sure BACK COVER LOCK PLATE does not go over BACK COVER DETECT CONTACT-A and also BACK COVER DETECT CONTACT-A and -B surely make contact when BACK COVER LOCK PLATE slides in arrow direction.
2. Fit U-groove of BACK COVER LOCK JOINT LEVER to BACK COVER LOCK PLATE, then turn BACK COVER LOCK JOINT LEVER in allow direction to install.



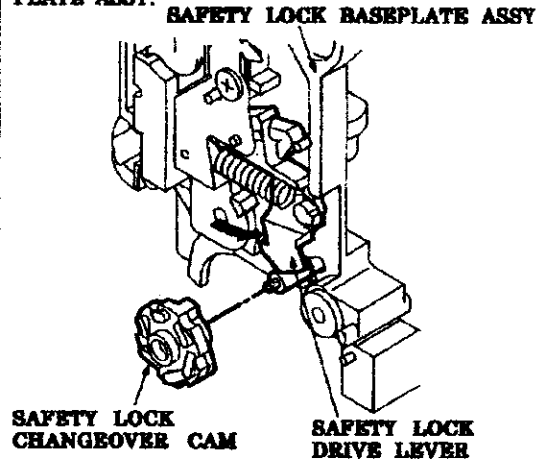
■ Fig. 5

Hook the tip of BACK COVER LOCK SP as illustrated.



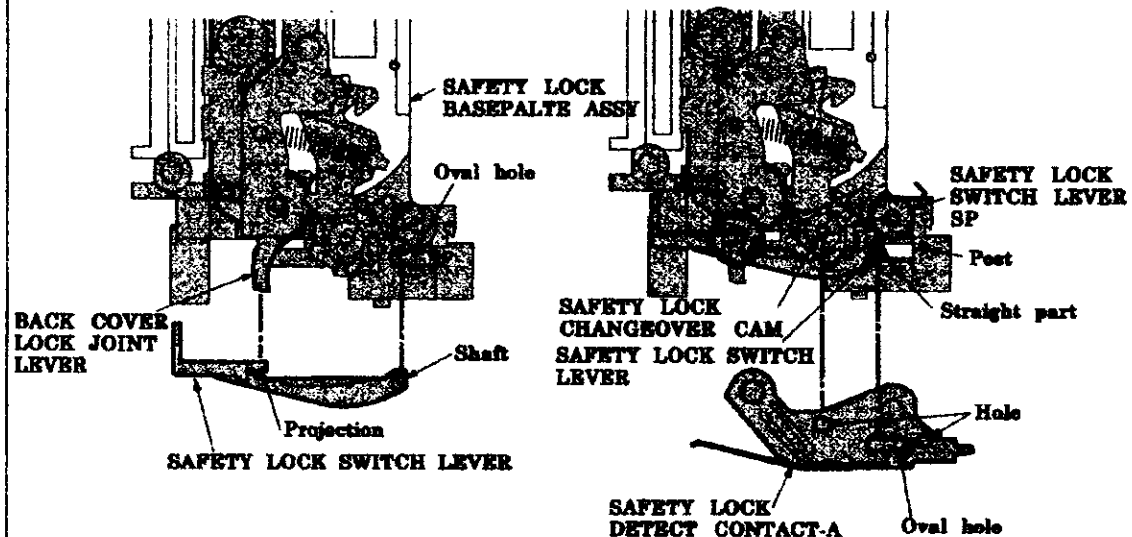
■ Fig. 6

Holding SAFETY LOCK DRIVE LEVER in arrow direction, and install SAFETY LOCK CHANGEOVER CAM to SAFETY LOCK BASEPLATE ASSY.



■ Fig. 7

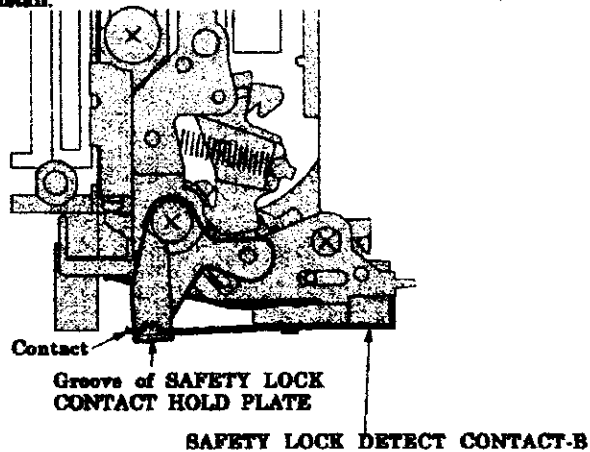
1. Insert the shaft of SAFETY LOCK SWITCH LEVER to the oval hole of SAFETY LOCK BASEPALTE ASSY, and fit BACK COVER LOCK JOINT LEVER between the lever and the projection of SAFETY LOCK SWITCH LEVER.
2. Hold the tip of SAFETY LOCK SWITCH LEVER SP along SAFETY LOCK SWITCH LEVER, then install to SAFETY LOCK BASEPALTE ASSY.
3. Fit the holes of SAFETY LOCK DETECT CONTACT-A to the posts of SAFETY LOCK CHANGEOVER CAM, SAFETY LOCK BASEPALTE ASSY and SAFETY LOCK SWITCH LEVER. Make sure the SAFETY LOCK DETECT CONTACT-A does not go over SAFETY LOCK SWITCH LEVER.
4. Hook the tip of SAFETY LOCK SWITCH LEVER to the post of SAFETY LOCK BASEPALTE ASSY.



Make sure the SAFETY LOCK DETECT CONTACT-A does not go over SAFETY LOCK SWITCH LEVER.

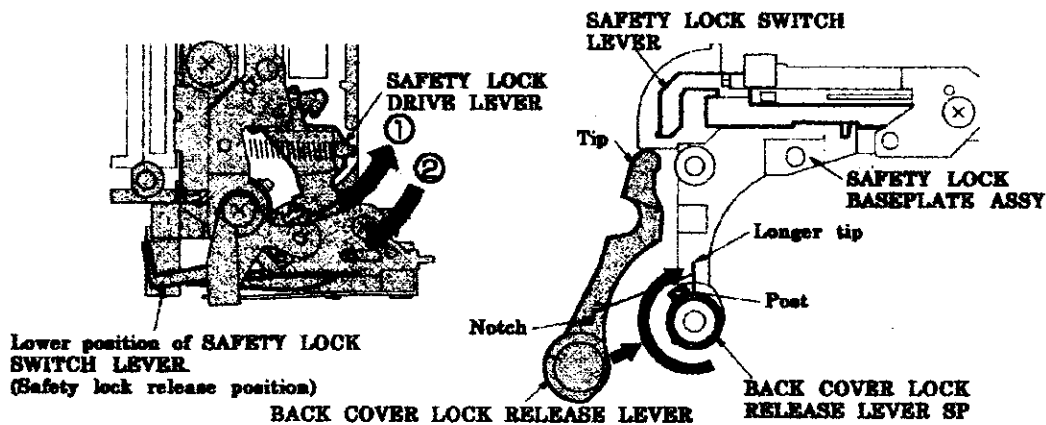
■ Fig. 8

Fit the contact of SAFETY LOCK DETECT CONTACT-B to the groove of SAFETY LOCK CONTACT HOLD PLATE to install.



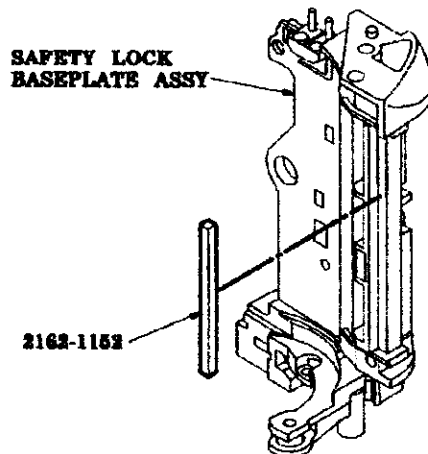
■ Fig. 9

1. Turn SAFETY LOCK DRIVE LEVER in arrow direction to set SAFETY LOCK SWITCH LEVER to the lower position.
2. Turn the BACK COVER LOCK RELEASE LEVER SP in arrow direction to charge the spring, and hook it to SAFETY LOCK BASEPLATE ASSY as illustrated.
3. Insert the tip of BACK COVER LOCK RELEASE LEVER between SAFETY LOCK BASEPLATE ASSY and SAFETY LOCK SWITCH LEVER.
4. Hook the longer tip of BACK COVER LOCK RELEASE LEVER SP to the notch BACK COVER LOCK RELEASE LEVER, then slide BACK COVER LOCK RELEASE LEVER in arrow direction.



■ Fig. 10

Stick #2162-1152 to the designated position.



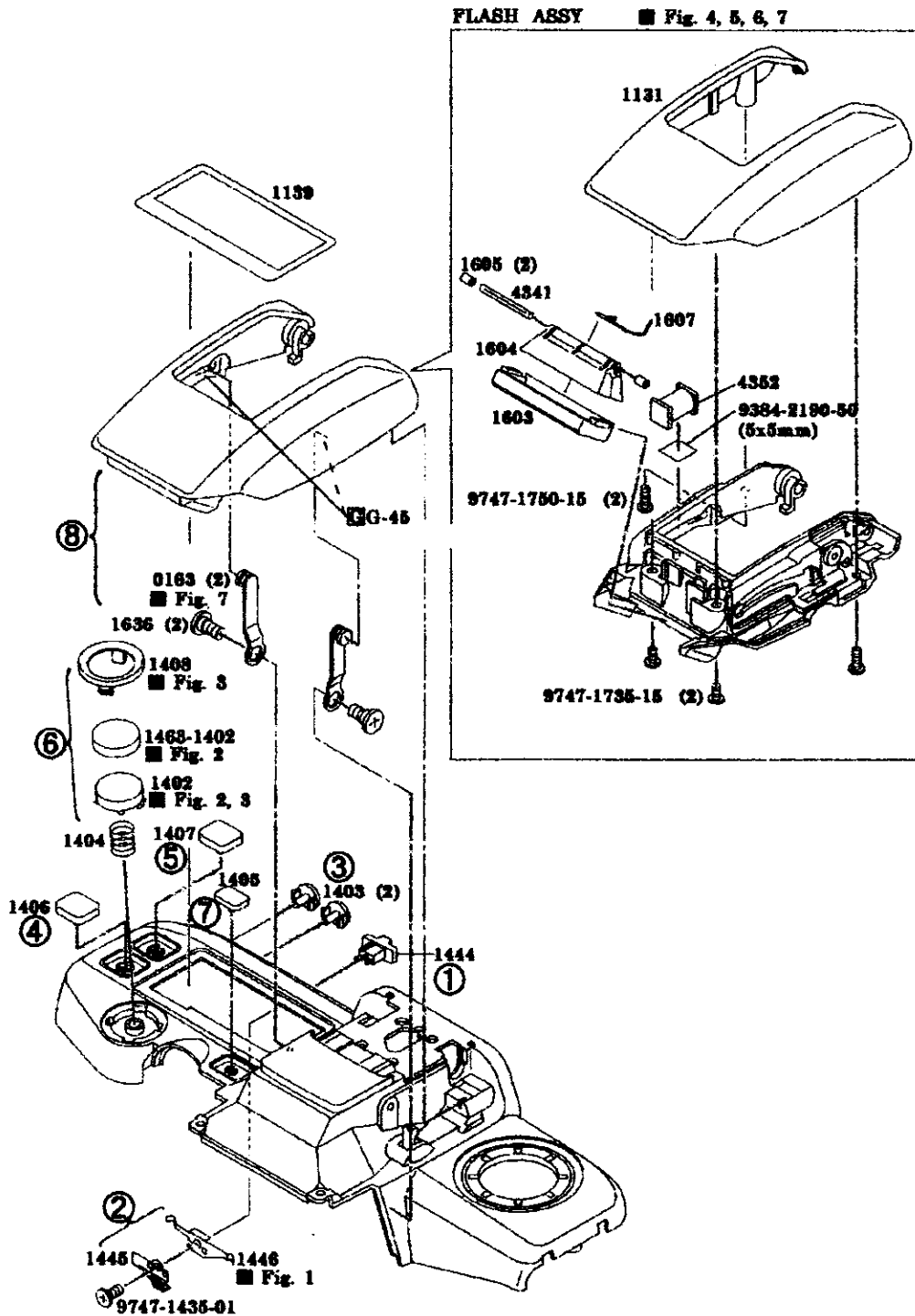
42 A(2163)

■ TOP COVER Assembly- I

Assemble in order from 1 to 8.

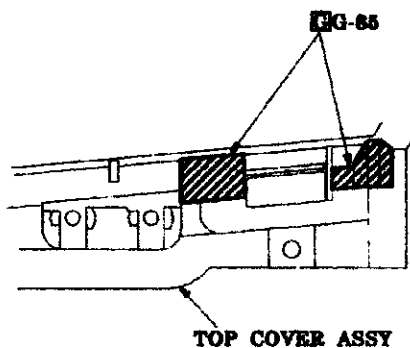
REPAIR GUIDE

TOP COVER ASSY



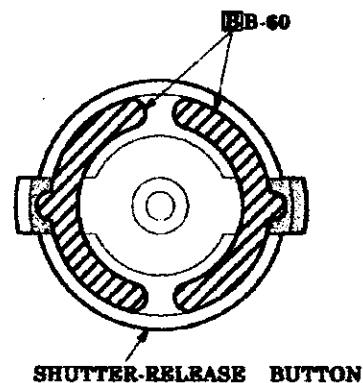
■ Fig. 1

Apply G-85 to the shaded area of TOP COVER ASSY.



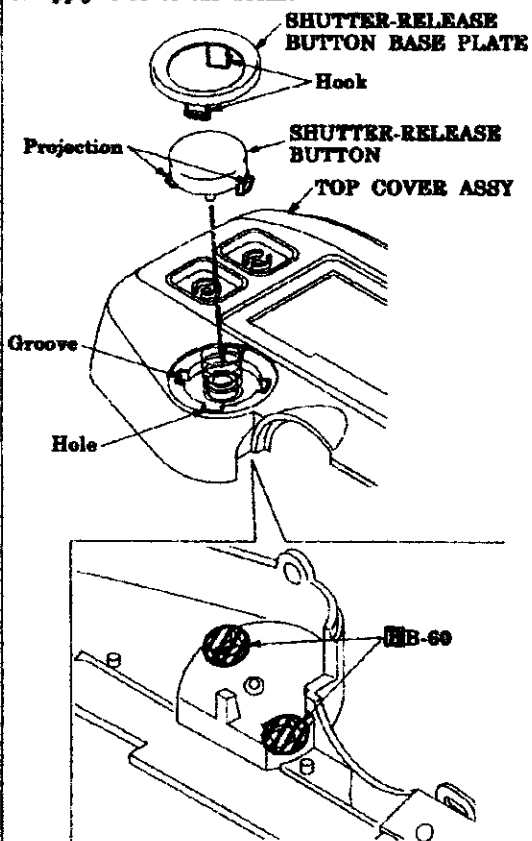
■ Fig. 2

Apply B-60 to the shaded area of SHUTTER-RELEASE BUTTON to affix SHUTTER-RELEASE BUTTON CAP.



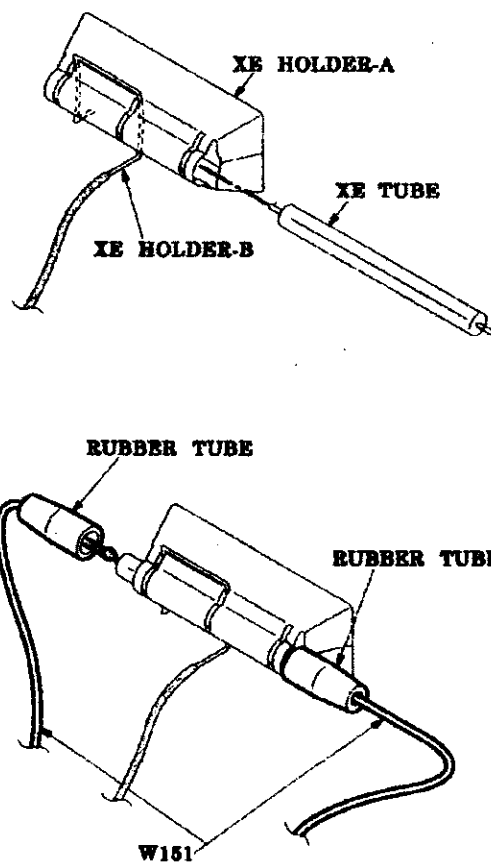
■ Fig. 3

1. Hold the projections of SHUTTER-RELEASE BUTTON fitting to the grooves of TOP COVER ASSY.
2. Insert the hooks of SHUTTER-RELEASE BUTTON BASEPLATE to the holes of TOP COVER ASSY.
3. Apply B-60 to the hooks.



■ Fig. 4

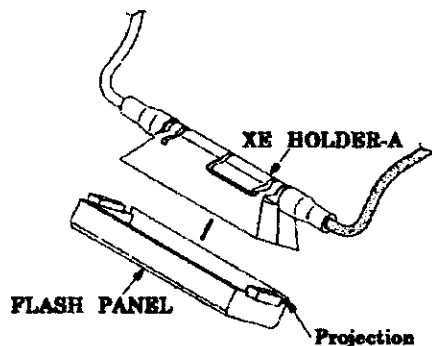
1. Assemble XE HOLDER-A and -B the insert XE TUBE.
2. Install RUBBER TUBE as illustrated.



44 A(2163)

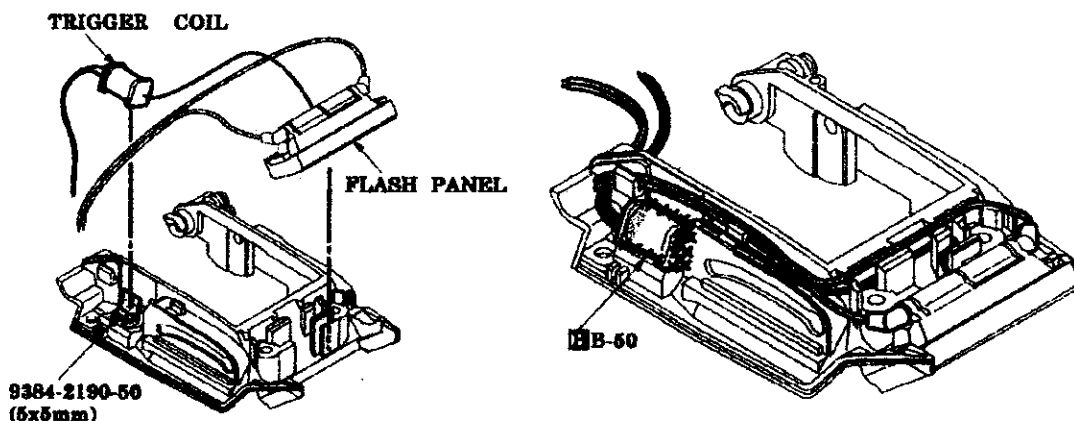
■ Fig. 5

Hold the projection of FLASH PANEL downwards, then install to XE HOLDER-A.



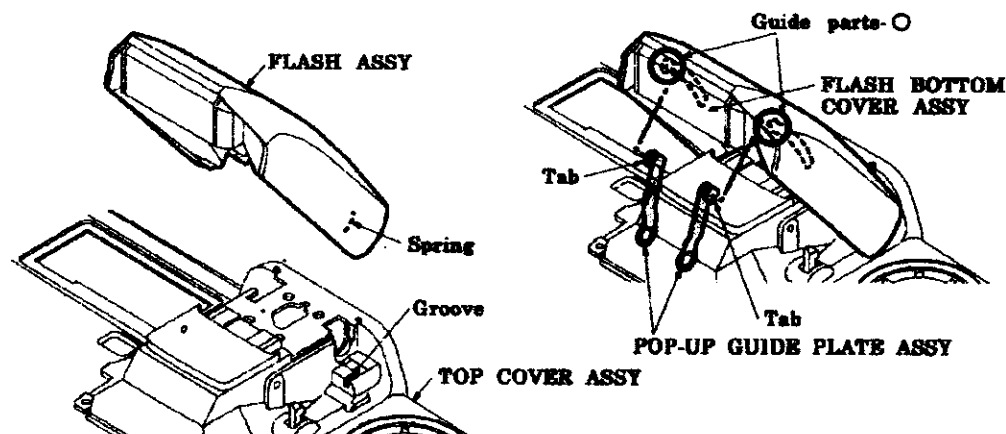
■ Fig. 6

1. Arrange FLASH PANEL, TRIGGER COIL and the lead wires as illustrated.
2. Apply B-50 to the designated position.



■ Fig. 7

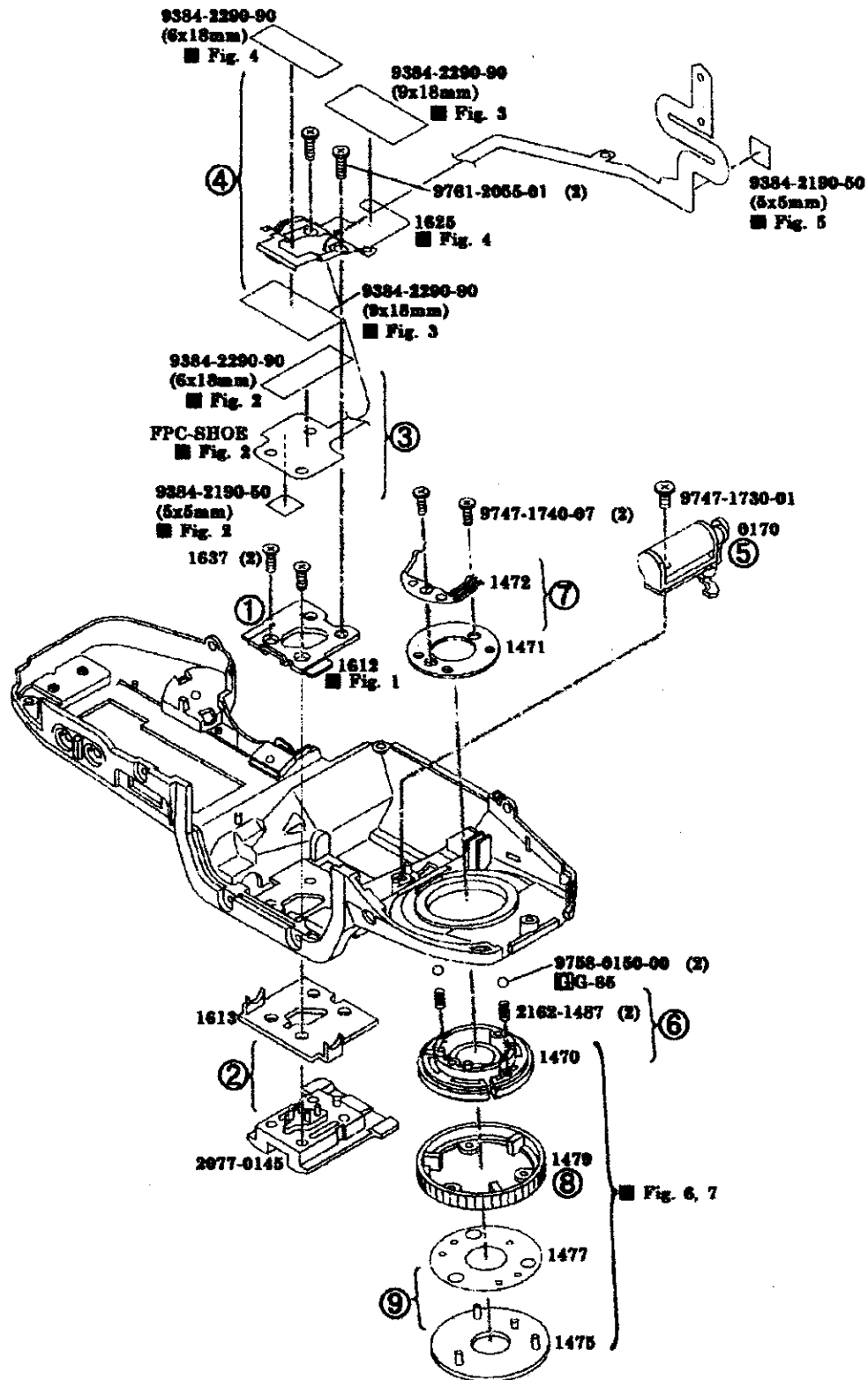
1. Hook the designated spring of FLASH ASSY to the groove of TOP COVER ASSY.
2. Insert the tabs of POP-UP GUIDE PLATE ASSY to the guide parts-O of FLASH BOTTOM COVER ASSY to install.



TOP COVER Assembly-II

Assemble in order from 1-9.

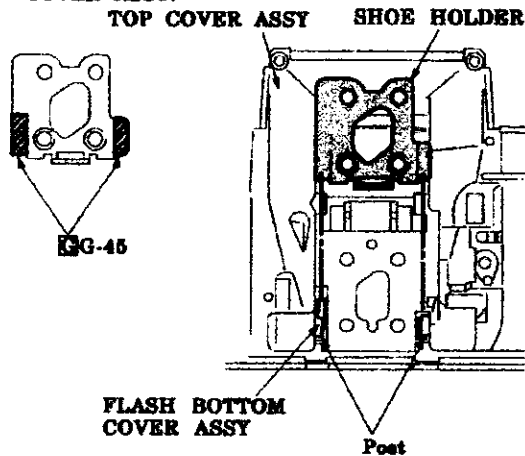
TOP COVER ASSY



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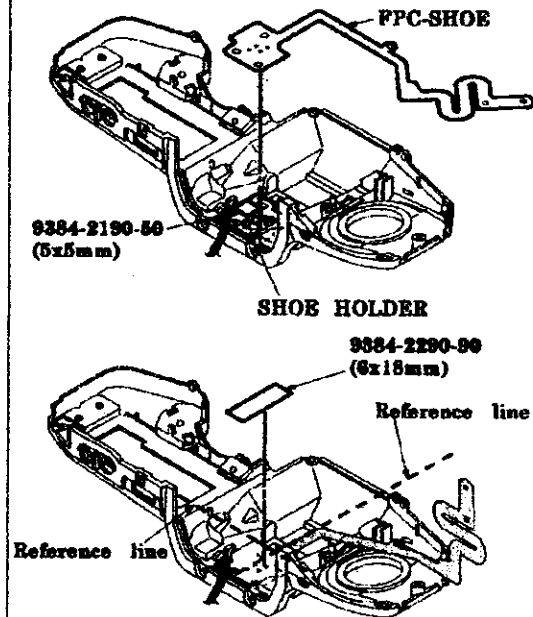
■ Fig. 1

1. Apply G-45 to SHOE HOLDER as illustrated.
2. Insert SHOE HOLDER between TOP COVER ASSY and the posts of FLASH BOTTOM COVER ASSY.



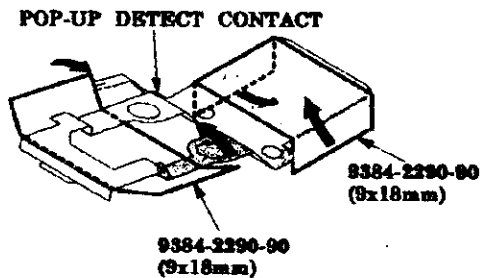
■ Fig. 2

1. Stick #9384-2190-50 to SHOE HOLDER as illustrated to affix FPC-SHOE.
2. Stick #9384-2290-90 to FPC-SHOE as illustrated.



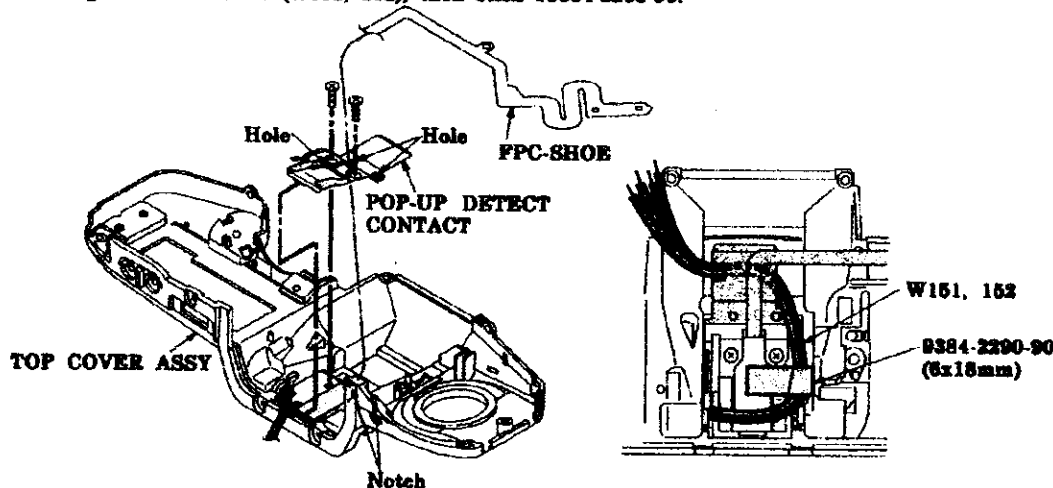
■ Fig. 3

1. Stick #9384-2290-90 to POP-UP DETECT CONTACT.



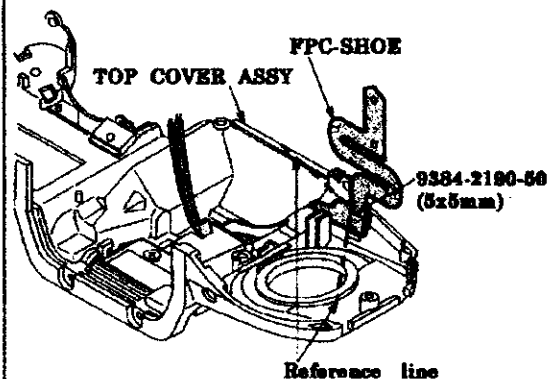
■ Fig. 4

1. Thread FPC-SHOE into the hole of POP-UP DETECT CONTACT, then fit its notches to the posts of TOP COVER ASSY.
2. Arrange the lead wires (W151, 152), then stick #9384-2290-90.



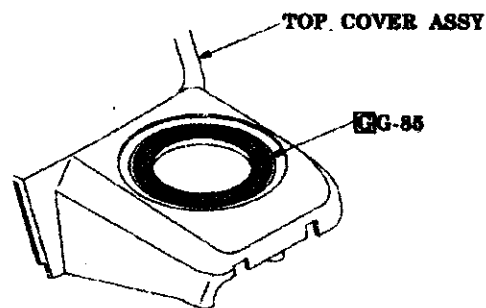
■ Fig. 5

Stick #8384-2190-50 to TOP COVER ASSY to affix FPC-SHOE.



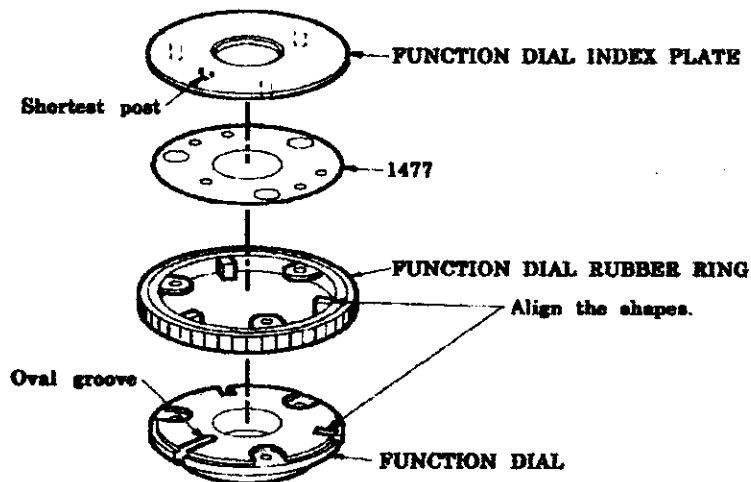
■ Fig. 6

Apply G-85 to TOP COVER ASSY as illustrated.



■ Fig. 7

1. Align the shapes of FUNCTION DIAL RUBBER RING and FUNCTION DIAL to install.
2. Affix the shortest post of FUNCTION DIAL INDEX PLATE aligning the oval groove of FUNCTION DIAL to install.



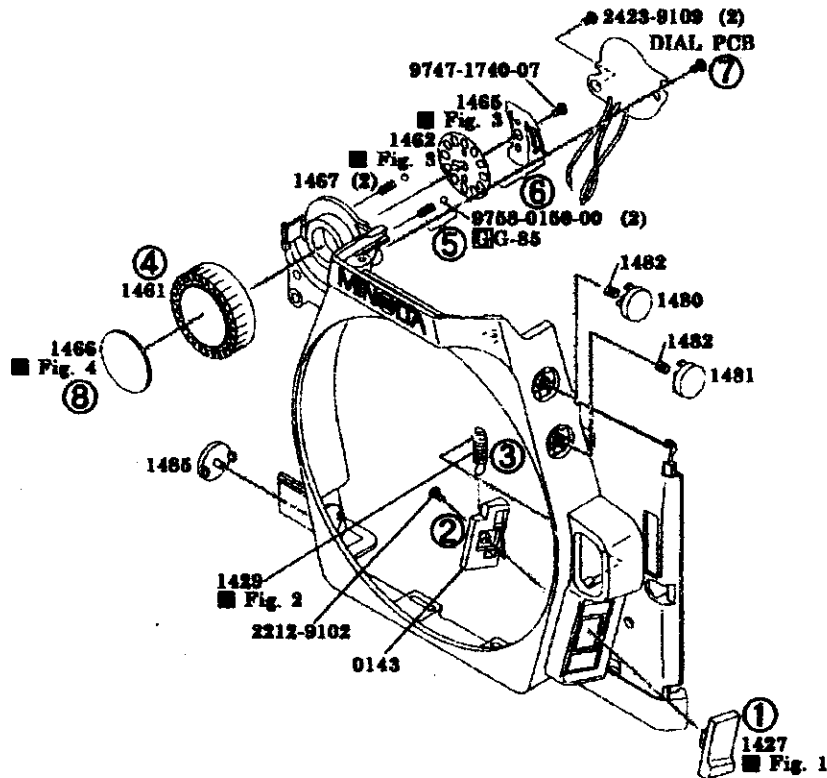
48 A(2163)

FRONT COVER, GRIP COVER Assembly

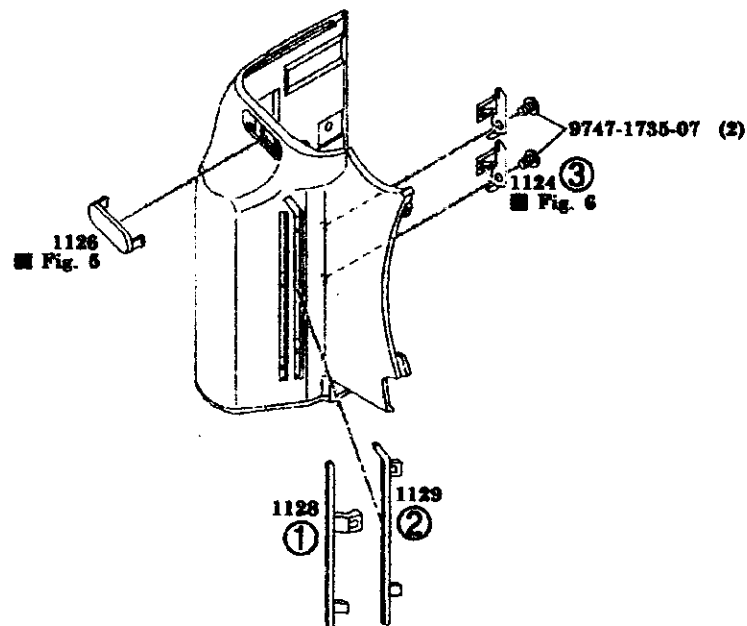
Assemble FRONT COVER in order from 1 to 8.

Assemble GRIP COVER in order from 1 to 3.

FRONT COVER ASSY

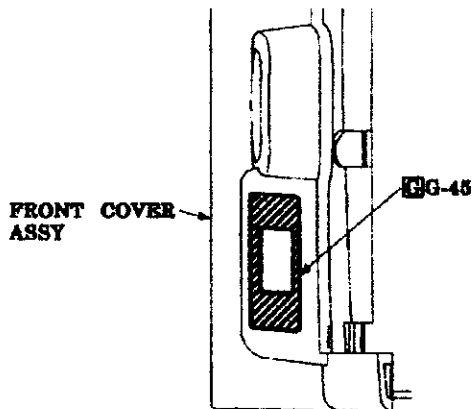


GRIP COVER ASSY



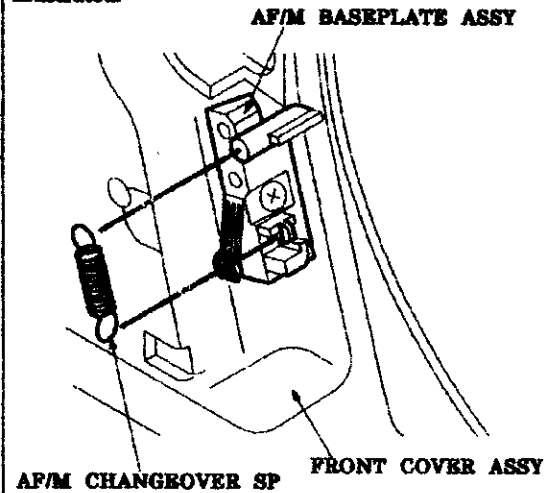
■ Fig. 1

Apply G-45 to FRONT COVER ASSY as illustrated.



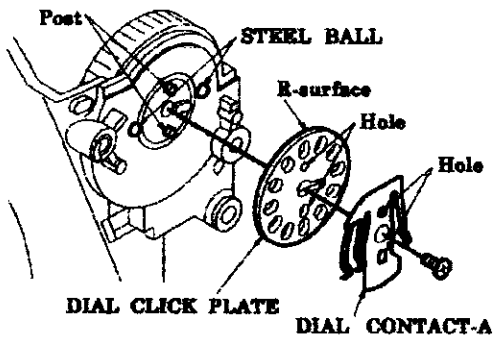
■ Fig. 2

Hook the tip of AF/M CHANGEOVER SP as illustrated.



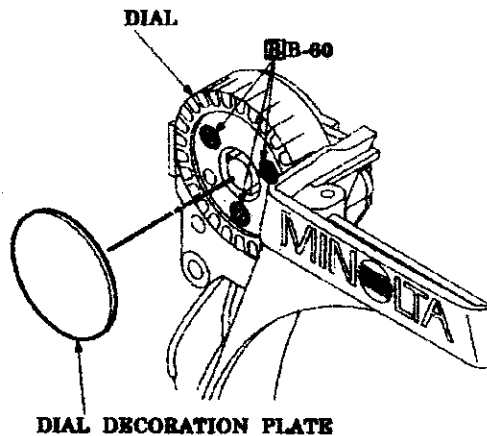
■ Fig. 3

1. Hold DIAL CLICK PLATE as illustrated, then install to FRONT COVER ASSY.
2. Fit DIAL CONTACT-A to DIAL CLICK PLATE aligning their holes.



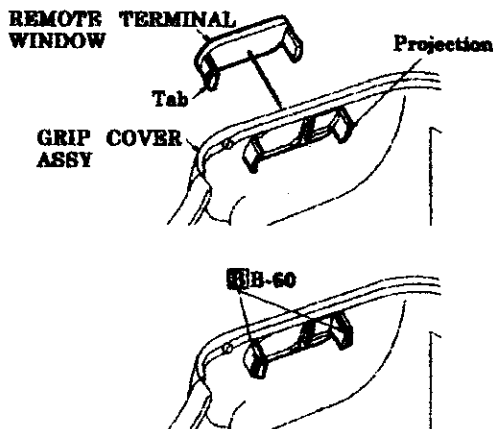
■ Fig. 4

Apply B-60 to the designated position of DIAL to affix DIAL DECORATION PLATE.



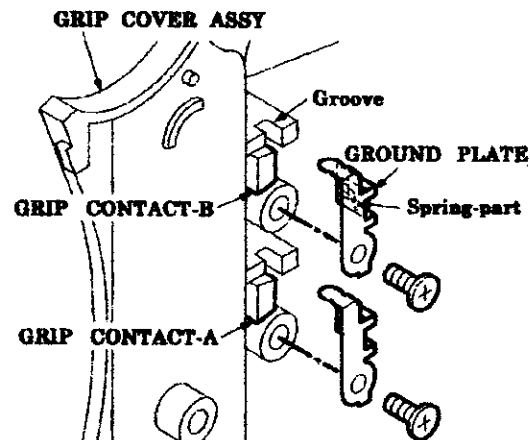
■ Fig. 5

1. Fit the tabs of REMOTE TERMINAL WINDOW to the projections of GRIP COVER ASSY.
2. Apply B-60 to the shaded area.



■ Fig. 6

Insert GROUND PLATE to the grooves of GRIP COVER ASSY to hold GRIP CONTACT-A and -B with the spring-part.

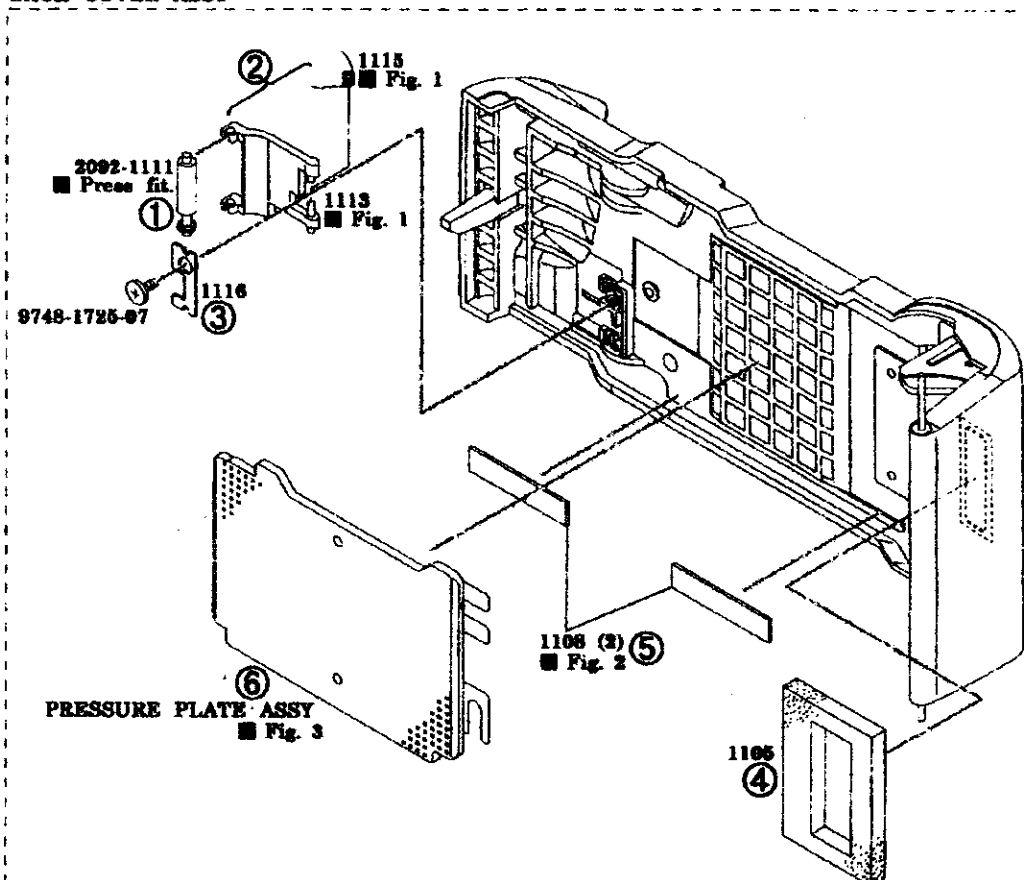


BACK COVER, BOTTOM COVER Assembly

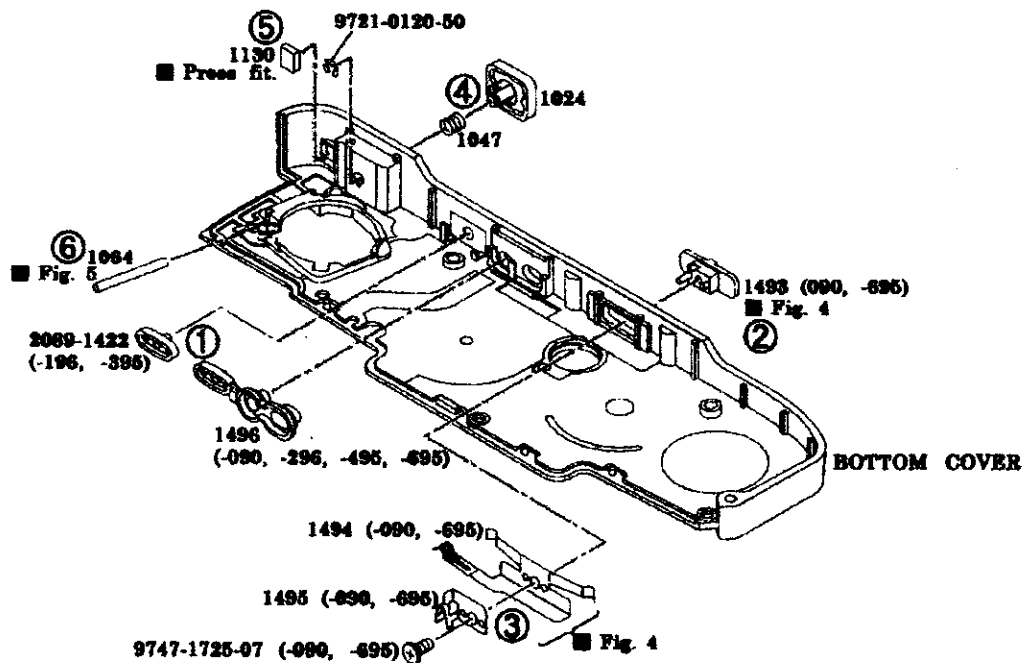
Assemble BACK COVER in order from 1 to 6.

Assemble BOTTOM COVER in order from 1 to 6.

BACK COVER ASSY

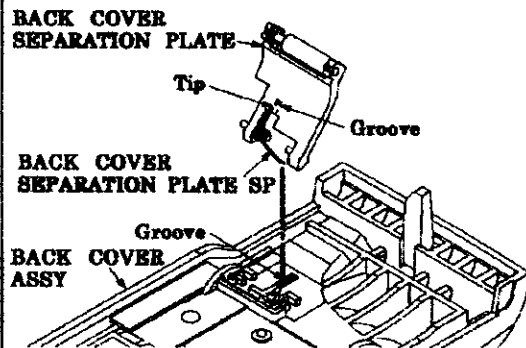


REPAIR GUIDE



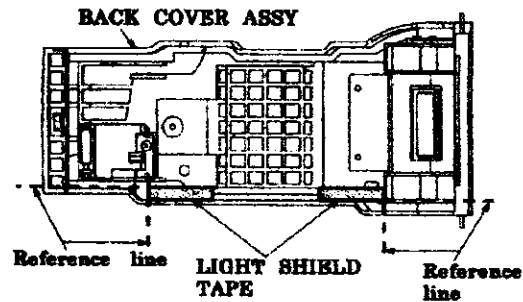
■ Fig. 1

1. Install BACK COVER SEPARATION PLATE SP to BACK COVER SEPARATION PLATE.
2. Hook a tip of BACK COVER SEPARATION PLATE SP to the groove of BACK COVER SEPARATION PLATE, then fit the other tip and install BACK COVER SEPARATION PLATE to BACK COVER ASSY.



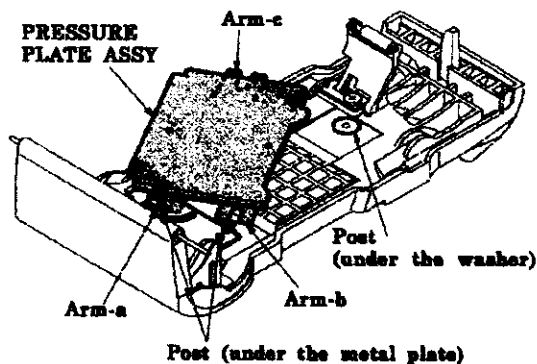
■ Fig. 2

Stick LIGHT SHIELD TAPE to the designated position of BACK COVER ASSY.



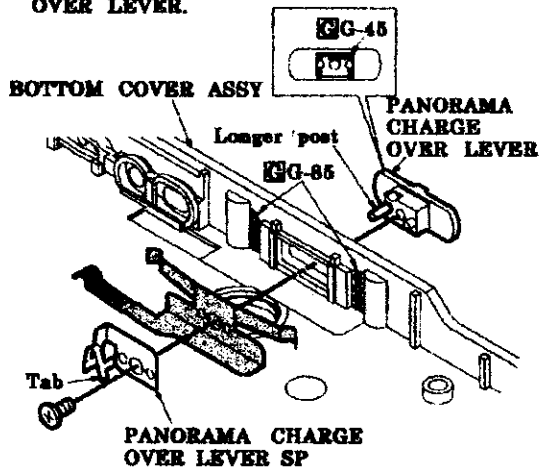
■ Fig. 3

1. Insert the arm-a of PRESSURE PLATE ASSY in arrow direction fitting to the post of BACK COVER ASSY.
2. Insert the arm-b of PRESSURE PLATE ASSY in the same way.
3. Bend the arm-c of PRESSURE PLATE ASSY to fit to the post of BACK COVER ASSY.



■ Fig. 4

1. Apply G-45 and G-85 in the designated position of BOTTOM COVER ASSY and PANORAMA CHARGE OVER LEVER.
2. Install the longer post of PANORAMA CHARGE OVER LEVER fitting the standard position of BOTTOM COVER ASSY.
3. Hook the tab of PANORAMA CHARGE OVER LEVER SP to the post of PANORAMA CHARGE OVER LEVER.



■ Fig. 5

Insert BATTERY COVER HINGE AXIS to the groove of BOTTOM COVER ASSY as illustrated.

